STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 3

AMENDED REPORT ☑
(highlight changes)

APPLICATION FOR PERMIT TO DRILL

5. MINERAL LEASE NO: Fee	6. SURFACE: Fee
7. IF INDIAN, ALLOTTEE OR TRIBE NAME: N/A	
8. UNIT or CA AGREEMENT NAME: N/A	
9. WELL NAME and NUMBER: COP 1648-17-22	
10. FIELD AND POOL, OR WILDCAT: Ferron Sandstone / Wildcat	

1A. TYPE OF WORK: DRILL ☑ REENTER ☐ DEEPEN ☐

B. TYPE OF WELL: OIL ☐ GAS ☑ OTHER _____ SINGLE ZONE ☑ MULTIPLE ZONE ☐

2. NAME OF OPERATOR: XTO Energy, Inc.

3. ADDRESS OF OPERATOR: 2700 Farmington Ave. B CITY Farmington STATE NM ZIP 87401

PHONE NUMBER: (505) 324-1090

4. LOCATION OF WELL (FOOTAGES)
AT SURFACE: 1673' FNL x 1707' FWL 495578X 4364773Y 39.434371 -111.051381
AT PROPOSED PRODUCING ZONE: same

11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SENW 17 16S 8E S

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE: Approximately 13 miles Northwest of Huntington, Ut

12. COUNTY: Emery

13. STATE: UTAH

15. DISTANCE TO NEAREST PROPERTY OR LEASE LINE (FEET)	16. NUMBER OF ACRES IN LEASE:	17. NUMBER OF ACRES ASSIGNED TO THIS WELL:
5000	6707.23	

18. DISTANCE TO NEAREST WELL (DRILLING, COMPLETED, OR APPLIED FOR) ON THIS LEASE (FEET)	19. PROPOSED DEPTH:	20. BOND DESCRIPTION:
7500'	7,130	UTB-000138

21. ELEVATIONS (SHOW WHETHER DF, RT, GR, ETC.):	22. APPROXIMATE DATE WORK WILL START:	23. ESTIMATED DURATION:
9297' Ground Elevation	9/5/2007	2 weeks

24. **PROPOSED CASING AND CEMENTING PROGRAM**

SIZE OF HOLE	CASING SIZE, GRADE, AND WEIGHT PER FOOT			SETTING DEPTH	CEMENT TYPE, QUANTITY, YIELD, AND SLURRY WEIGHT			
14.75"	11.75"	H-40	42#	600	Type V	+/- 323 sx	1.61 ft3/sx	14.2 ppg
8.75"	5.5"	J-55	15.5#	7,130	CBM light wt - lead	+/- 55 sx	4.15 ft3/sx	10.5 ppg
					CBM light wt - tail	+/- 97 sx	1.81 ft3/sx	13.5 ppg
10.625"	8.625"	J-55	36#	4,600	CBM light wt - lead	+/- 165 sx	4.15 ft3/sx	10.5 ppg

25. **ATTACHMENTS**

VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES:

☑ WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER
☑ EVIDENCE OF DIVISION OF WATER RIGHTS APPROVAL FOR USE OF WATER
☑ COMPLETE DRILLING PLAN
☐ FORM 5, IF OPERATOR IS PERSON OR COMPANY OTHER THAN THE LEASE OWNER

NAME (PLEASE PRINT) Kyla Vaughan TITLE Regulatory Compliance Tech

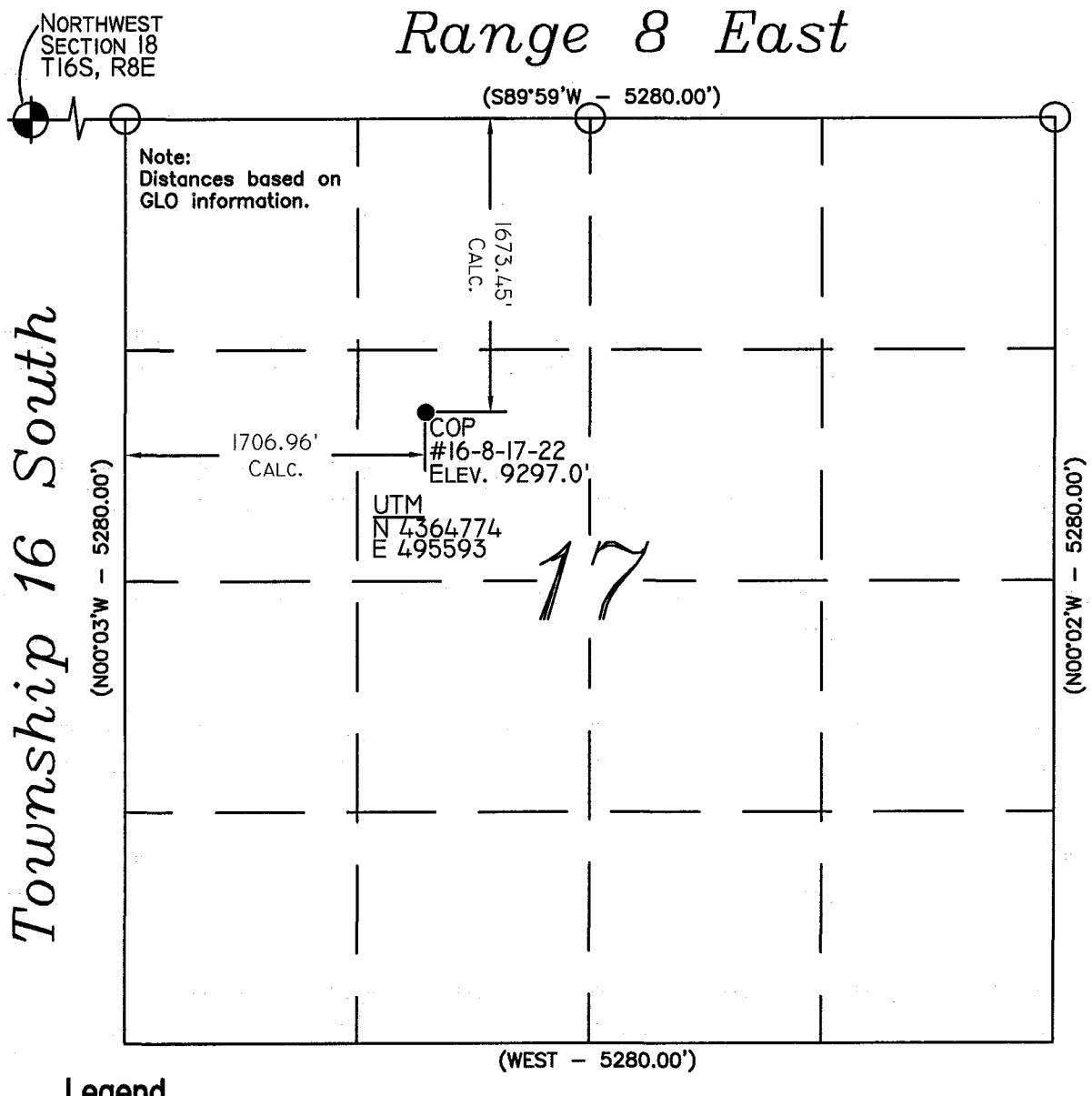
SIGNATURE Kyla Vaughan DATE ~~6/1/2007~~ 6/12/07

(This space for State use only)

API NUMBER ASSIGNED: 43-015-30717 APPROVAL:

RECEIVED
JUN 15 2007
DIV. OF OIL, GAS & MINING

(11/2001) (See Instructions on Reverse Side)



Legend

- Drill Hole Location
- Brass Cap (Found)
- Brass Cap (Searched for, but not found)
- Rock Pile
- ( ) GLO
- GPS Measured

NOTES:
1. UTM and Latitude / Longitude Coordinates are derived using a GPS Pathfinder and are shown in NAD 27 Datum.

LAT / LONG
39°26'03.756" N
111°03'04.346" W

GRAPHIC SCALE
0 500' 1000'
(IN FEET)
1 inch = 1000ft.

Location:
The well location was determined using a Trimble 5700 GPS survey grade unit.

Basis of Bearing:
The Basis of Bearing is GPS Measured.

GLO Bearing:
The Bearings indicated are per the recorded plat obtained from the U.S. Land Office.

Basis of Elevation:
Basis of Elevation of 9694.0' being at the Southeast Section corner of Section 36, Township 15 South, Range 7 East, Salt Lake Base & Meridian, as shown on the Hiawatha Quadrangle 7.5 Minute Series Map.

Description of Location:
Proposed Drill Hole located in the SE/4 NW/4 of Section 17, T16S, R8E, S.L.B.&M., being 1673.45' South and 1706.96' East from the Northwest Section Corner of Section 17, T16S, R8E, Salt Lake Base & Meridian.

Surveyor's Certificate:
I, Albert J. Spensko, a Registered Professional Land Surveyor, holding Certificate 146652 State of Utah, do hereby certify that the information on this drawing is a true and accurate survey based on data of record and was conducted under my personal direction and supervision as shown hereon.

Registered Land Surveyor
5/10/07
No. 146652
Albert J. Spensko
State of Utah

TALON RESOURCES, INC.
615 North 400 East P.O. Box 1230
Huntington, Utah 84528
Phone (435)687-5310 Fax (435)687-5311
E-Mail talonetv.net

XTO ENERGY

COP 16-8-17-22
Section 17, T16S, R8E, S.L.B.&M.
Emery County, Utah

Drawn By: N. BUTKOVICH	Checked By: L.W.J./A.J.S.
Drawing No. A-1	Date: 5/2/07
	Scale: 1" = 1000'
Sheet 1 of 4	Job No. 2845

Once Recorded Please Return To:
Ryan M. O'Kelley
810 Houston Street
Fort Worth, Texas 76102

MEMORANDUM OF SURFACE USE AND DAMAGE AGREEMENT

COP 16-8-17-22 and COP 16-8-7-21

KNOW ALL MEN BY THESE PRESENTS

That **C.O.P. Coal Development Company.**, a Utah Corporation, whose address is 3212 South State Street, Salt Lake City, Utah, 84115-3825, ("**Grantor**") and **XTO Energy Inc.**, a Delaware Corporation, whose address is 810 Houston Street, Fort Worth, TX 76012-6298 ("**Grantee**") have entered into a Surface Use and Damage Agreement dated effective as of the 25th day of July, 2007 ("**Agreement**").

The Agreement, which is unrecorded and may be found in the files of Grantor and Grantee, is adopted herein and made a part hereof by reference to the same full extent as if all its provisions were copied in full in this Memorandum.

Pursuant to the terms of the Agreement, Grantor grants to Grantee and all of its parent, subsidiary, or other affiliated companies, their agents, employees and others authorized by them a nonexclusive private right of way upon and across Grantor's property located in the SW/4 of Section 6, N/2 & SE/4 of Section 7, SW/4 of Section 8, and the NW/4 of Section 17, Township 16 South, Range 8 East, S.L.B.&M., Emery County, Utah., in the location as approximately shown on **Exhibit A**, attached hereto and made a part hereof, for roads, gathering system pipelines, transmission pipelines, power lines, appurtenances, valves, metering equipment, cathodic protection, wires, conduits, cables, and associated facilities, related to its Operations ("Property"), for the purpose of access to and from mineral leases and rights it owns and operates underlying and in the vicinity of the Property ("Leases"), maintenance and operation of the Leases, production from the Leases and other purposes related to conducting oil and gas operations related to the Leases.

This Memorandum shall be binding on and inure to the benefit of Grantor and Grantee, their respective heirs, administrators, successors and assigns.

The parties hereto have executed this Memorandum as of the dates of the respective acknowledgements.

GRANTOR:
C.O.P. COAL DEVELOPMENT COMPANY
A Utah Corporation

By: _____

J.O. Kingston,

President

GRANTEE:
XTO ENERGY INC.,
A Delaware corporation

By: _____

Edwin S. Ryan, Jr.

Senior Vice President – Land Administration

State of Utah }
}
County of Salt Lake }

I, the undersigned authority, a Notary Public in and for said County in said State, hereby certify that J.O. Kingston, whose name as President of **C.O.P. Coal Development Company**, is signed to the foregoing Memorandum of Surface Use And Damage Agreement, and who is known to me, acknowledged before me on this day that, being informed of the contents of the instrument, he, as authorized agent and with full authority, executed the same voluntarily and as the act of said corporation.

Given under my hand and official seal, this the 22 day of August, 2007.

Notary Public

My Commission Expires _____

NOTARY PUBLIC
CARL E. KINGSTON
3212 South State Street
Salt Lake City, UT 84115
My Commission Expires
06/22/2008
STATE OF UTAH

State of Texas }
}
County of Tarrant }

I, the undersigned authority, a Notary Public in and for said County in said State, hereby certify that Edwin S. Ryan, Jr., whose name as Senior Vice President – Land Administration of **XTO Energy Inc.**, is signed to the foregoing Memorandum of Surface Use And Damage Agreement, and who is known to me, acknowledged before me on this day that, being informed of the contents of the instrument, he, as authorized agent and with full authority, executed the same voluntarily and as the act of said corporation.

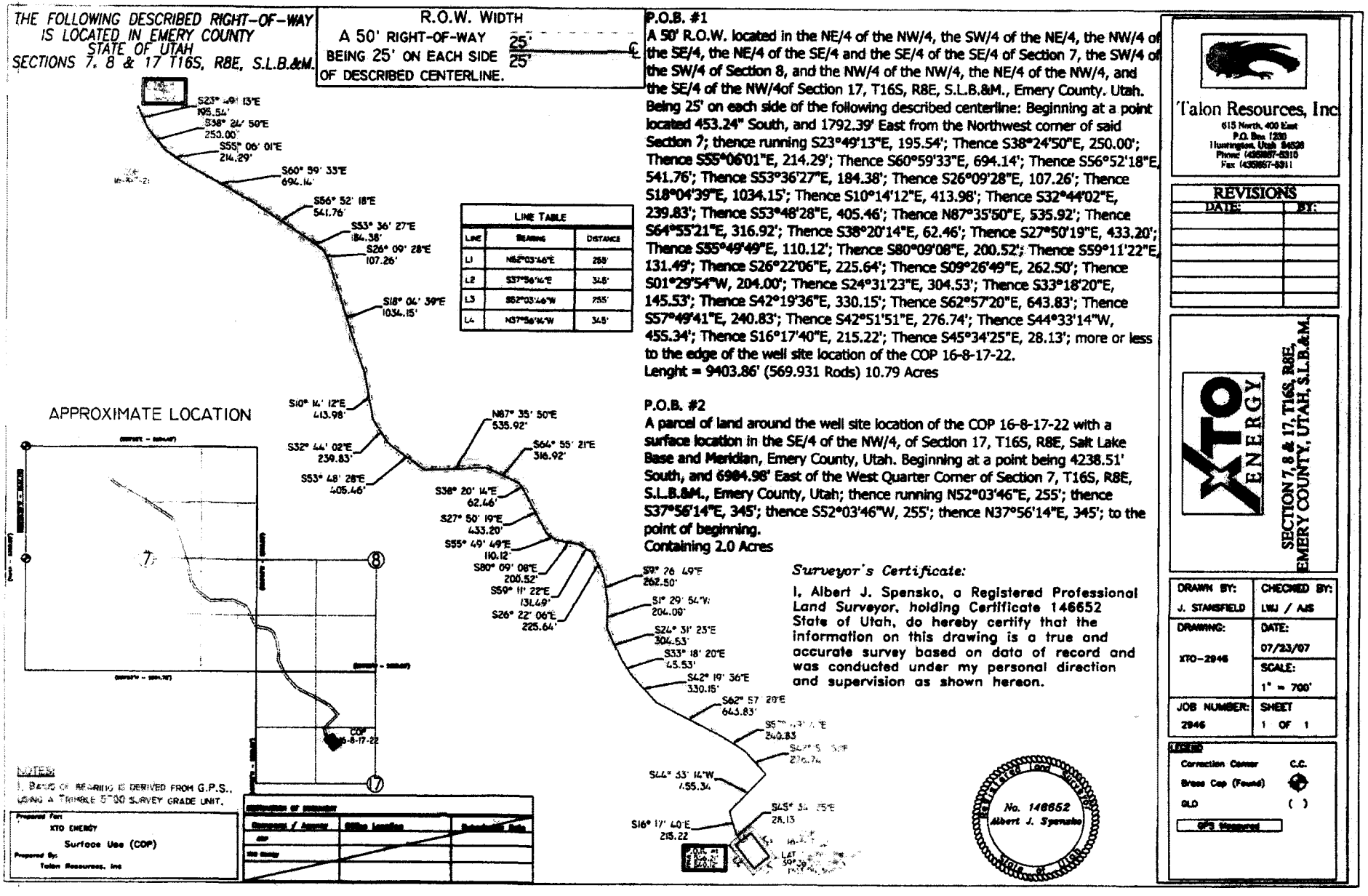
Given under my hand and official seal, this the 25th day of July, 2007.

Notary Public

My Commission Expires _____

CARLA J. DANIELS
Notary Public
STATE OF TEXAS
My Comm. Exp. 06/14/2011

EXHIBIT "A"
(1 of 2)



LINE TABLE		
LINE	BEARING	DISTANCE
L1	N52°03'46"E	255'
L2	S37°56'14"E	345'
L3	S52°03'46"W	255'
L4	N37°56'14"W	345'

P.O.B. #1
A 50' R.O.W. located in the NE/4 of the NW/4, the SW/4 of the NE/4, the NW/4 of the SE/4, the NE/4 of the SE/4 and the SE/4 of the SE/4 of Section 7, the SW/4 of the SW/4 of Section 8, and the NW/4 of the NW/4, the NE/4 of the NW/4, and the SE/4 of the NW/4of Section 17, T16S, R8E, S.L.B.&M., Emery County. Utah. Being 25' on each side of the following described centerline: Beginning at a point located 453.24" South, and 1792.39' East from the Northwest corner of said Section 7; thence running S23°49'13"E, 195.54'; Thence S38°24'50"E, 250.00'; Thence S55°06'01"E, 214.29'; Thence S60°59'33"E, 694.14'; Thence S56°52'18"E, 541.76'; Thence S53°36'27"E, 184.38'; Thence S26°09'28"E, 107.26'; Thence S18°04'39"E, 1034.15'; Thence S10°14'12"E, 413.98'; Thence S32°44'02"E, 239.83'; Thence S53°48'28"E, 405.46'; Thence N87°35'50"E, 535.92'; Thence S64°55'21"E, 316.92'; Thence S38°20'14"E, 62.46'; Thence S27°50'19"E, 433.20'; Thence S55°49'49"E, 110.12'; Thence S80°09'08"E, 200.52'; Thence S59°11'22"E, 131.49'; Thence S26°22'06"E, 225.64'; Thence S09°26'49"E, 262.50'; Thence S01°29'54"W, 204.00'; Thence S24°31'23"E, 304.53'; Thence S33°18'20"E, 145.53'; Thence S42°19'36"E, 330.15'; Thence S62°57'20"E, 643.83'; Thence S57°49'41"E, 240.83'; Thence S42°51'51"E, 276.74'; Thence S44°33'14"W, 455.34'; Thence S16°17'40"E, 215.22'; Thence S45°34'25"E, 28.13'; more or less to the edge of the well site location of the COP 16-8-17-22.
Lenght = 9403.86' (569.931 Rods) 10.79 Acres

P.O.B. #2
A parcel of land around the well site location of the COP 16-8-17-22 with a surface location in the SE/4 of the NW/4, of Section 17, T16S, R8E, Salt Lake Base and Meridian, Emery County, Utah. Beginning at a point being 4238.51' South, and 6984.98' East of the West Quarter Corner of Section 7, T16S, R8E, S.L.B.&M., Emery County, Utah; thence running N52°03'46"E, 255'; thence S37°56'14"E, 345'; thence S52°03'46"W, 255'; thence N37°56'14"E, 345'; to the point of beginning.
Containing 2.0 Acres

Surveyor's Certificate:

I, Albert J. Spensko, a Registered Professional Land Surveyor, holding Certificate 146652 State of Utah, do hereby certify that the information on this drawing is a true and accurate survey based on data of record and was conducted under my personal direction and supervision as shown hereon.

No. 146652 Albert J. Spensko

Talon Resources, Inc
615 North, 400 East
P.O. Box 1230
Huntington, Utah 84528
Phone: (435)687-5310
Fax: (435)687-5311

REVISIONS	
DATE:	BY:

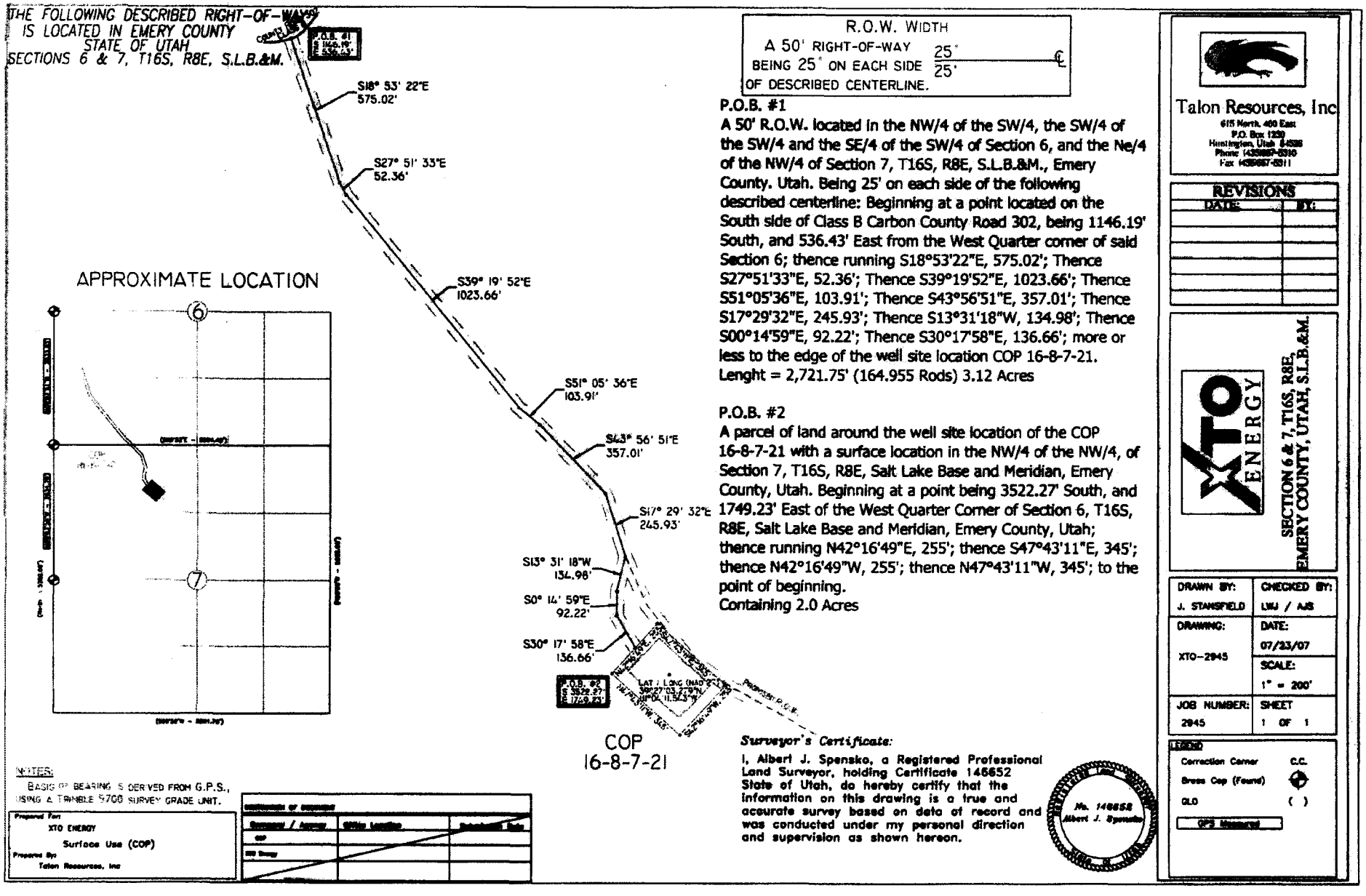
XTO ENERGY

SECTION 7, 8 & 17, T16S, R8E, EMERY COUNTY, UTAH, S.L.B.&M.

DRAWN BY: J. STANSFIELD	CHECKED BY: LWJ / AJS
DRAWING: XTO-2946	DATE: 07/23/07
	SCALE: 1" = 700'
JOB NUMBER: 2946	SHEET 1 OF 1

LEGEND
Correction Corner C.C.
Brass Cap (Found)
GLO ( )
GPS Measured

EXHIBIT "A"
(2 of 2)



R.O.W. WIDTH
A 50' RIGHT-OF-WAY BEING 25' ON EACH SIDE OF DESCRIBED CENTERLINE.
25' / 25' ℄

P.O.B. #1
A 50' R.O.W. located in the NW/4 of the SW/4, the SW/4 of the SW/4 and the SE/4 of the SW/4 of Section 6, and the Ne/4 of the NW/4 of Section 7, T16S, R8E, S.L.B.&M., Emery County. Utah. Being 25' on each side of the following described centerline: Beginning at a point located on the South side of Class B Carbon County Road 302, being 1146.19' South, and 536.43' East from the West Quarter corner of said Section 6; thence running S18°53'22"E, 575.02'; Thence S27°51'33"E, 52.36'; Thence S39°19'52"E, 1023.66'; Thence S51°05'36"E, 103.91'; Thence S43°56'51"E, 357.01'; Thence S17°29'32"E, 245.93'; Thence S13°31'18"W, 134.98'; Thence S00°14'59"E, 92.22'; Thence S30°17'58"E, 136.66'; more or less to the edge of the well site location COP 16-8-7-21.
Lenght = 2,721.75' (164.955 Rods) 3.12 Acres

P.O.B. #2
A parcel of land around the well site location of the COP 16-8-7-21 with a surface location in the NW/4 of the NW/4, of Section 7, T16S, R8E, Salt Lake Base and Meridian, Emery County, Utah. Beginning at a point being 3522.27' South, and 1749.23' East of the West Quarter Corner of Section 6, T16S, R8E, Salt Lake Base and Meridian, Emery County, Utah; thence running N42°16'49"E, 255'; thence S47°43'11"E, 345'; thence N42°16'49"W, 255'; thence N47°43'11"W, 345'; to the point of beginning.
Containing 2.0 Acres

Surveyor's Certificate:
I, Albert J. Spensko, a Registered Professional Land Surveyor, holding Certificate 146652 State of Utah, do hereby certify that the information on this drawing is a true and accurate survey based on data of record and was conducted under my personal direction and supervision as shown hereon.

No. 146652 Albert J. Spensko

Talon Resources, Inc
615 North, 400 East
P.O. Box 1230
Huntington, Utah 84528
Phone: (435)687-5310
Fax: (435)687-5311

REVISIONS	
DATE:	BY:

XTO ENERGY
SECTION 6 & 7, T16S, R8E, EMERY COUNTY, UTAH, S.L.B.&M.

DRAWN BY:	CHECKED BY:
J. STANSFIELD	LWJ / AJS
DRAWING: XTO-2945	DATE: 07/23/07
	SCALE: 1" = 200'
JOB NUMBER: 2945	SHEET 1 OF 1

LEGEND
Correction Corner C.C.
Brass Cap (Found)
GLO ( )
GPS Measured

COP 16-8-7-21
SECTIONS 6 & 7-16S-8E
EMERY COUNTY, UTAH

XTO ENERGY

June 25, 2007

Utah Division of Oil, Gas & Mining
1594 West North Temple, Suite 1210
Box 145801
Salt Lake City, UT 84114-5801

RE: COP 16-8-17-22

Dear Diana:

In reference to the State Oil & Gas Conservation rule R649-3-3, XTO is requesting an exception location to be granted on the COP 16-8-17-22.

XTO has been working diligently with the COP Coal Development to come to an agreement as to where this location can be placed. Due to land owner issues, topographical issues, and coal mines in the surrounding area, the well bore location has been staked as a non standard location. XTO Energy Inc. respectfully request an exception location to be granted based on the above information.

There are no additional lease owners with in 460' of the proposed location. If you have any questions, please contact me at 505-564-6726.

Thank you,

Kyla Vaughan

Kyla Vaughan
Regulatory Compliance

XTO Energy Inc. • 2700 Farmington Avenue • Building K, Suite 1 • Farmington, New Mexico 87401 • (505)324-1090 • Fax: (505) 564-6700

Application for Permit to Drill
Surface Use Plan

Company: XTO Energy, Inc
Well No: COP 16-8-17-22
Location: 1673' FNL & 1707' FWL, Section 17, T16S, R8E

Thirteen Point Surface Use Plan

The dirt contractor will be provided an approved copy of the surface use plan of operations before starting construction.

1. Existing Roads

   a. Proposed route to location: The proposed route to location is shown on Exhibit "A" and is from the Hiawatha Quadrangle 7.5 minute series USGS quadrangle map.

   b. Location of proposed well in relation to town or other reference point: From Huntington, Utah go North on State Hwy 10 1.9 miles to the intersection of County Road 302 at Huntington Lake. Turn left and go 10.7 miles to the old Mohrland Mine Site. Continue of the Canyon 3.1 miles to the top of Gentry Mountain. Turn left and enter through the gate on the private road. Go 2.1 miles south to the proposed access. Well is located on the right side of the road.

   c. Contact the County Road Department for use of County Roads: No county road permits should be required.

   d. Plans for improvement and/or maintenance of existing roads: All existing roads within 1 mile of the drill site are shown on Exhibit "B". All roads that will be used to the well location will be maintained to their current conditions are better.

   e. Other Comments: None

2. Planned Access Roads

   a. Location of Access Road: Starting from a point along an existing road in the NW/4 of Section 17, T16S, R8E.

   b. Length of New Road: 705' of road will need to be constructed to access this location.

   c. Length of Existing Road to Upgrade: No existing roads should need upgrades to access this location.

   d. Maximum Disturbed Width: Typically new access roads require up to 60' of disturbed width which includes ROW for gas and water pipe lines and electric service.

d. Maximum Disturbed Width: Typically new access roads require up to 60' of disturbed width which includes ROW for gas and water pipe lines and electric service.

e. Travel Width of Access Road: 25' or less.

f. Maximum Grade after Construction: Maximum grades will not exceed 10% after construction.

g. Turnouts Planned: No Turnouts are planned at this time.

h. Surface Materials: Only native materials will be used if additional construction is required. If necessary, gravel or rock maybe purchased and used to improve road conditions and travel.

i. Drainage (crowning, ditching, culverts, etc.): Roads will be re-crowned and bar ditches, if necessary, will be located on either side. 18"-24" culverts will be installed as necessary.

j. Cattle Guards: No cattle guards are planned at this time. If necessary, cattle guards will be specified in the stipulations.

k. Length of new and/or existing roads which lie outside the lease or unit boundary for which a BLM/State/Fee right of way is required: None.

l. Other:

    i. Surface disturbance and vehicular travel will be limited to the approved location and access road. Any additional area needed must be approved by the State of Utah in Advance.

    ii. If a right-of-way is necessary, no surface disturbing activities shall take place on the subject right-of-way until the associated APD is approved. The holder will adhere to conditions of approval in the Surface Use Program of the approved APD, relevant to any right-of-way facilities.

    iii. If a right-of-way is secured, boundary adjustments in the lease or unit shall automatically amend this right-of-way to include that portion of the facility no longer contained within the lease or unit. In the event of an automatic amendment to this right-of-way grant, the prior on-lease/unit conditions of approval of this facility will not be affected even though they would now apply to facilities outside of the lease/unit as a result of the boundary adjustment. Rental fees, if appropriate, shall be recalculated based on the conditions of this grant and the regulations in effect at the time of an automatic amendment.

    iv. If at any time the facilities located on public lands authorized by the terms of the lease are no longer included in the lease (due to a contraction in the unit or other lease or unit boundary change) the State of Utah will process a change in

authorization to the appropriate statute. The authorization will be subject to appropriate rental, or other financial obligations determined by the State of Utah.

v. If the well is not productive, the access road will be rehabilitated or brought to Resource (Class III) Road Standards within 60 days of dismantling the rig. If upgraded, the access road must be maintained at these standards until the well is properly abandoned. If this time frame cannot be met, the Field Office Manager will be notified so that temporary drainage control can be installed along the access road.

3. Location of Existing Wells:

   a. On a map, show the location of all water, injection, disposal, producing and drilling wells within a one mile radius of the proposed well, and describe the status of each: See Exhibit "B".

4. Location of Production Facilities:

   a. On-Site facilities: Typical on-site facilities will consist of a wellhead, gas flow line, water flow line, artificial lifting system (pumping unit), 2 phase separator, gas measurement, water measurement, electronics, a heated enclosure/building for weather and environmental protection and chemical injection equipment (as required). All production and measurement shall conform to the provisions of 43 CFR § 3162.7 and Onshore Oil and Gas Order No. 4, if applicable.

   b. All permanent (in place for six months or longer) structures constructed or installed on the well site location will be painted a flat, non reflective color to match the standard environmental colors, as specified by the COA's in the APD. All facilities will be painted within six months of installation. Facilities required complying with the Occupational Safety and Health Act (OSHA) may be excluded.

   c. Off-site facilities: Off-site facilities are located at the CDP station and include compression, processing, separation, tanks, pits, electronics, and produced water disposal (SWD) well.

   d. Pipelines: The well will be produced into gas and water pipelines (sizes to be determined) and transported to existing pipelines. See Exhibit "C" for the proposed pipeline route.

   e. Power lines: Power lines are located underground in the same ROW as the water and gas pipelines.

5. Location and Type of Water Supply:

   a. All water required for drilling will be purchased from local municipal water supply. If possible, currently produced coal well water may also be used after receiving any necessary permits. Water will be trucked to location by a third party trucking company who specializes in water hauling.

b. Water obtained on private land, or land administered by another agency, will require approval from the owner or agency for use of land.

6. Source of Construction Material:

   a. Pad construction material will be obtained from (if the source is Federally owned, show location on a map): All construction material will be purchased from private land owners or from a commercial gravel/materials pit. The use of materials will conform to 43 CFR § 3610.2-3, if applicable.

   b. The use of materials under State of Utah jurisdiction will conform to 43CFR § 3610.2-3, if applicable.

7. Methods of Handling Waste Disposal:

   a. Describe the methods and locations proposed for safe containment and disposal of waste material, e.g. cuttings, produced water, garbage, sewage, chemicals, etc. The reserve pit will be located along the edge and within the boundaries of the designated well pad. The walls of the pit will be sloped at no greater than 2 to 1 and will be lined with a synthetic material of approximately 12 mills in thickness. The reserve pit shall be located in cut material, with at least 50% of the pit volume being below original ground level. Three sides of the pit will be fenced before drilling starts. The forth side will be fenced as soon as drilling is completed, and shall remain until the pit is dry. The amount of time the pit way remain open will typically be specified by the COA's. Once dry, the liner will be cut and removed at the mud line and the pit will be covered and buried in place.

   b. Trash must be contained in a trash cage and hauled away to an approved disposal site as necessary but no later than the completion of drilling operations.

   c. Sewage from trailers and chemical portable toilets will be removed on a regular basis by a third party contractor and disposed of at an authorized sanitary waste facility.

   d. Any and all chemicals used during the drilling and completion of the well will be kept to a minimum and stored within the boundaries of the well pad. The third party chemical contractor will be responsible for containment and clean-up and removal of all spilled chemicals on location.

8. Ancillary Facilities:

   a. No ancillary facilities will be required during the drilling or completion of the well.

9. Well Site Layout:

   a. Depict the pit, rig, cut and fill, topsoil, etc. on a plat with a scale of at least 1"=50'. See Exhibit "D" & "E".

b. All equipment and vehicles that will be used to drill and complete this well will remain within the boundaries of the approved well pad. Any equipment and or vehicles parked or stored off the location will be considered trespassing on federal lands and will NOT be tolerated.

c. Materials obtained from the construction of the location, like topsoil and vegetation will be stock piled as indicated and permitted by the approved APD. The stock piles themselves may be outside the approved boundaries of the well pad.

10. Plans for Restoration of the Surface:

a. The top 6 inches of topsoil material will be removed from the location and stockpiled separately on Adjacent Land or as specified by the approved APD.

b. Topsoil along the access road will be reserved in place adjacent to the road.

c. Within 30-45 days after completion of well, all equipment that is not necessary for production shall be removed.

d. The reserve pit and that portion of the location not needed for production will be reclaimed 90-120 days after completion of the well.

e. Before any dirt work to restore the location takes place, the reserve pit must be ready for burial.

f. All road surfacing will be removed prior to the rehabilitation of roads.

g. Reclaimed roads will have the berms and cuts reduced and will be closed to vehicle use.

h. All disturbed areas will be re-contoured to replicate the natural slope.

i. The stockpiled topsoil will be evenly distributed over the disturbed area.

j. Prior to reseeding, all disturbed areas, including the access roads, will be scarified and left with a rough surface.

k. Seed will broadcast or drilled between September and November, or at a time specified by the BLM and or state. If broadcast, a harrow or some other implement will be dragged over the seeded area to assure seed coverage.

l. The following seed mixture will be used: As specified conditions of approval.

m. If necessary, and abandonment marker will be one of the following, as specified by the State of Utah:

i. At least four feet above ground level,
ii. At restored ground level, or
iii. Below ground level.

iv. In any case the marker shall be inscribed with the following: operator name, lease number, well name and description (township, section, range, and either quarter-quarter or footages).

n. Additional requirements: None

11. Surface and Mineral Ownership:

The Surface is owned by C.O.P. Coal Development Company, 3212 South State Street, Salt Lake City, Utah 84115. Contact person for C.O.P. is Charles Renyolds, 435-687-2450. The minerals are leased by XTO Energy.

12. Other Information:

a. Archeological Concerns: An approved contractor will submit the appropriate reports to the agency as required. Special stipulations will be included in the COA's of the approved APD.

b. The operator is responsible for informing all persons in the area who are associated with this project that they will be subject to prosecution for knowingly disturbing historic or archaeological sites, or for collecting artifacts. If historic or archaeological materials are uncovered during construction, the operator is to immediately stop work that might further disturb such materials, and contact the State of Utah Field Office. Within five (5) working days, the State of Utah will inform the operator as to:

i. Weather the materials appear eligible for the National Register of Historic Places;
ii. The mitigation measures the operator will likely have to undertake before the site can be used (assuming in situ preservation is not necessary); and
iii. A time frame for the State of Utah to complete an expedited review under 36 CFR § 800.11 to confirm, through the State Historic Preservation Officer, that the findings of the State of Utah are correct and that mitigation is appropriate.

c. If the operator wishes, at any time, to relocate activities to avoid the expenses of mitigation and/or the delays associated with this process, the State will assume responsibility for whatever recordation and stabilization of the exposed materials may be required. Otherwise, the operator will be responsible for mitigation costs. The State of Utah will provide technical and procedural guidelines for the conduct of mitigation. Upon Verification from the State of Utah that the required mitigation has been completed, the operator will then be allowed to resume construction.

d. Threatened and Endangered Species Concerns:
i. An approved contractor will submit the appropriate reports as required. Special Stipulations will be included in the COA's of the approved APD.

e. Wildlife Seasonal Restrictions: Current wildlife restrictions and closure dates are specified in the BLM's Environment Impact Statement.

f. The Drilling Program is attached: See Exhibit "F".

Operator Certification:

a. Permitting and Compliance:

Kyla Vaughan
Regulatory Compliance
XTO Energy Inc.
2700 Farmington Avenue, Bldg K, Ste 1
Farmington, NM 87401
505-324-1090

b. Drilling and Completions:

John Egelston
XTO Energy Inc.
2700 Farmington Avenue, Bldg K, Ste 1
Farmington, NM 87401
505-324-1090

c. Certification:

I herby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access route; that I am familiar with the conditions which currently exist; that the statements made in this APD package are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be preformed by XTO Energy Inc. and its contractors and subcontractors in conformity with this APD package and the terms and conditions under which it is approved. I also certify responsibility for the operations conducted on that portion of the leased lands associated with this application, with bond coverage being provided by XTO Energy Inc. This statement is subject to provisions of 18 U.S.C. § 1001 for the filing of a false statement.

Signature: Kyla Vaughan
Kyla Vaughan

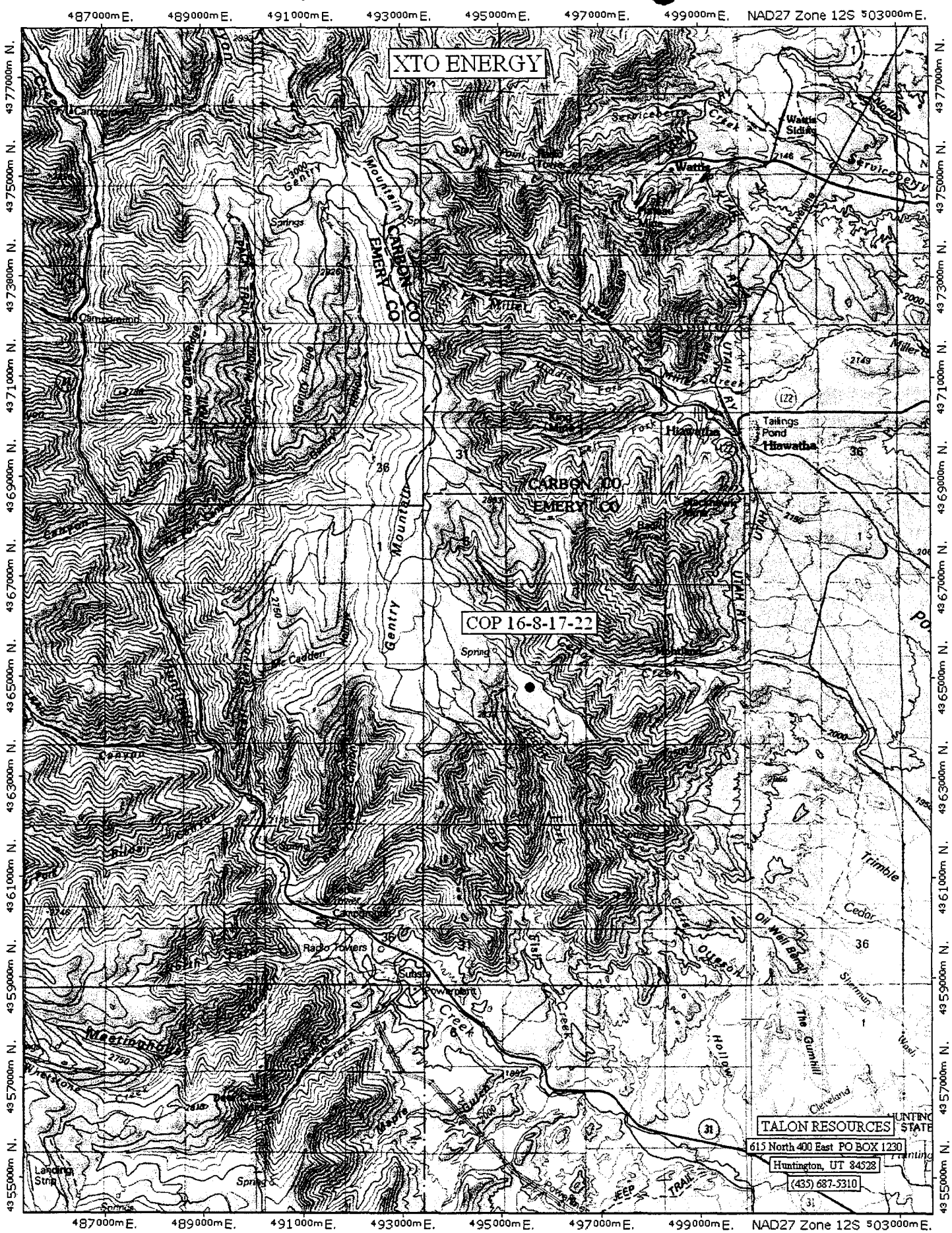

XTO ENERGY
COP 16-8-17-22
CARBON CO
EMERY CO
Hiawatha
Tailings Pond
Wattis
Wattis Siding
Miller Creek
Gentry Mountain
Trimble Cedar
TALON RESOURCES
615 North 400 East PO BOX 1230
Huntington, UT 84528
(435) 687-5310
487000m E.
489000m E.
491000m E.
493000m E.
495000m E.
497000m E.
499000m E.
503000m E.
NAD27 Zone 12S
TN 12½°
Map created with TOPO!® ©2003 National Geographic (www.nationalgeographic.com/topo)

EXHIBIT A

WORKSHEET
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 06/15/2007

API NO. ASSIGNED: 43-015-30717

WELL NAME: COP 16-8-17-22
OPERATOR: XTO ENERGY INC (N2615)
CONTACT: KYLA VAUGHAN

PHONE NUMBER: 505-324-1090

PROPOSED LOCATION:
SENW 17 160S 080E
SURFACE: 1673 FNL 1707 FWL
BOTTOM: 1673 FNL 1707 FWL
COUNTY: EMERY
LATITUDE: 39.43437 LONGITUDE: -111.0514
UTM SURF EASTINGS: 495578 NORTHINGS: 4364773
FIELD NAME: WILDCAT (1)

INSPECT LOCATN BY: / /

Tech Review	Initials	Date
Engineering	DKD	11/1/07
Geology		
Surface		

LEASE TYPE: 4 - Fee
LEASE NUMBER: FEE
SURFACE OWNER: 4 - Fee

PROPOSED FORMATION: FRSD
COALBED METHANE WELL? NO

RECEIVED AND/OR REVIEWED:

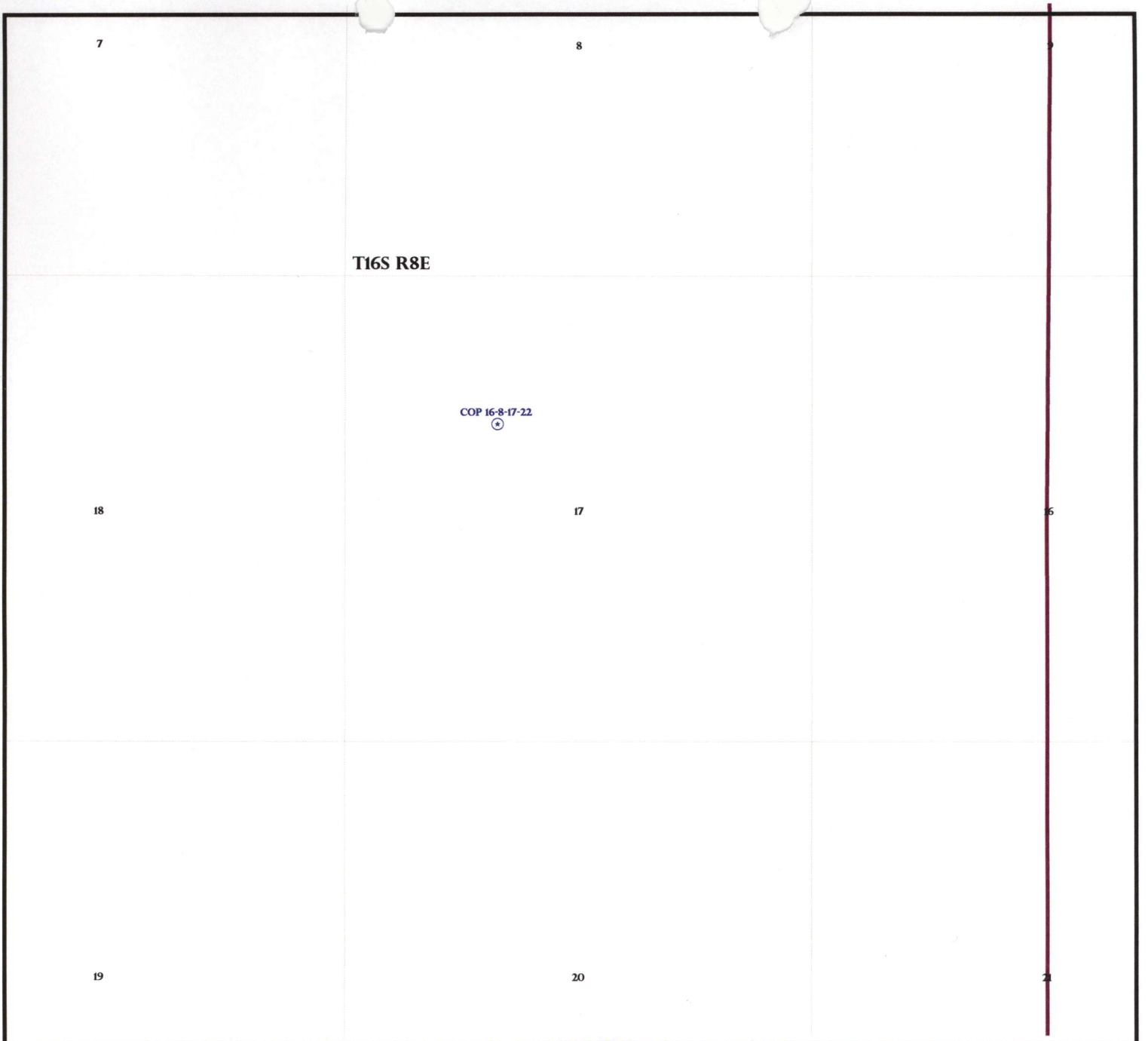
✓ Plat
✓ Bond: Fed[] Ind[] Sta[] Fee[]
(No. 104312762)
N Potash (Y/N)
N Oil Shale 190-5 (B) or 190-3 or 190-13
✓ Water Permit
(No. MUNICIPAL)
Y RDCC Review (Y/N)
(Date: 07/05/2007)
Y Fee Surf Agreement (Y)N)
N/A Intent to Commingle (Y/N)

LOCATION AND SITING:

___ R649-2-3.
Unit: _____
___ R649-3-2. General
Siting: 460 From Qtr/Qtr & 920' Between Wells
✓ R649-3-3. Exception
___ Drilling Unit
Board Cause No: _____
Eff Date: _____
Siting: _____
___ R649-3-11. Directional Drill

COMMENTS: Need Presite (05-22-07)

STIPULATIONS: 1- Spacing Stip
2- STATEMENT OF BASIS



OPERATOR: XTO ENERGY INC (N2615)

SEC: 17 T.16S R. 8E

FIELD: WILDCAT (001)

COUNTY: EMERY

SPACING: R649-3-3 / EXCEPTION LOCATION

Field Status
- ABANDONED
- ACTIVE
- COMBINED
- INACTIVE
- PROPOSED
- STORAGE
- TERMINATED

Unit Status
- EXPLORATORY
- GAS STORAGE
- NF PP OIL
- NF SECONDARY
- PENDING
- PI OIL
- PP GAS
- PP GEOTHERML
- PP OIL
- SECONDARY
- TERMINATED

Wells Status
- GAS INJECTION
- GAS STORAGE
- LOCATION ABANDONED
- NEW LOCATION
- PLUGGED & ABANDONED
- PRODUCING GAS
- PRODUCING OIL
- SHUT-IN GAS
- SHUT-IN OIL
- TEMP. ABANDONED
- TEST WELL
- WATER INJECTION
- WATER SUPPLY
- WATER DISPOSAL
- DRILLING

Utah Oil Gas and Mining

N
W E
S

PREPARED BY: DIANA MASON
DATE: 18-JUNE-2007

Application for Permit to Drill
Statement of Basis

APD No	API WellNo	Status	Well Type	Surf Ownr	CBM
541	43-015-30717-00-00		GW	P	No

Operator XTO ENERGY INC **Surface Owner-APD**
Well Name COP 16-8-17-22 **Unit**
Field WILDCAT **Type of Work**
Location SENW 17 16S 8E S 1673 FNL 1707 FWL GPS Coord (UTM) 495578E 4364773N

Geologic Statement of Basis

This well is situated on the highlands of the Wasatch Plateau. A review of the ground water resources for this location indicates that there are several surface water rights filed within a one mile radius of this well including three on underground sources of water. A poorly to moderately permeable soil is likely to be developed on the Cretaceous age North Horn Formation. The well will likely penetrate water saturated strata in the North Horn Formation, the Mesaverde Group and the Star Point Sandstone Member of the upper Mancos Shale, which are all within about 2000' of the surface and probably above the Base of Moderately Saline Ground Water. It is also likely that the well will penetrate several sand units of the Emery Sandstone Member of the Mancos Shale but these are sufficiently deep as to probably have poor quality ground water. There are active and historic coal mines in the area and these are also operating within the interval above 2000' below the surface. This well may penetrate workable coal beds within a mine lease and caution should be exercised in designing the casing string to protect the mining operation and the quality ground water resource. The Mohrland Mine is in nearby Left Fork (of Cedar Creek) Canyon. The proposed surface casing and cementing program ought to protect any near surface aquifers encountered during drilling although any water bearing sandstones. A benign drilling fluid system should be used as well.

Chris Kierst — 9/14/2007
APD Evaluator — **Date / Time**

Surface Statement of Basis

On-site evaluation conducted May 22, 2007. Present: Bart Kettle-Division of Oil, Gas and Mining (DOGM), Mark Reynolds-surface representative, Chris Nelison-Nelison Construction, Ray Trujillo-XTO, Kyla Vaughan-XTO, Ray Peterson-Emery County, Allen Childs-Talon Resources

DOGM recommends that XTO be proactive in their reclamation of project area following drilling and pipeline installation to prevent the spread of musk thistle and hounds tongue from project site into portions of their operation that are not infested.

Emery County recommends that XTO consider alternative routes of access to project site. If other routes are deemed unacceptable Emery County caution's that XTO use the county road from Moorland to Gentry Mountain wisely. Road contains many other users, steep grades and multiple rock out crops. Proactive road work would be require to maintain road in a functioning condition. Additionally adverse weather conditions can have substantial impacts to the travel conditions of the road surface.

Bart Kettle — 5/22/2007
Onsite Evaluator — **Date / Time**

Conditions of Approval / Application for Permit to Drill

Category	Condition
Pits	A synthetic liner with a minimum thickness of 12 mils shall be properly installed and maintained in the reserve pit.
Surface	The reserve pit shall be fenced upon completion of drilling operations.

ON-SITE PREDRILL EVALUATION

Utah Division of Oil, Gas and Mining

Operator XTO ENERGY INC
Well Name COP 16-8-17-22
API Number 43-015-30717-0 **APD No** 541 **Field/Unit** WILDCAT
Location: 1/4,1/4 SENW **Sec** 17 **Tw** 16S **Rng** 8E 1673 FNL 1707 FWL
GPS Coord (UTM) **Surface Owner**

Participants

Bart Kettle-Division of Oil, Gas and Mining (DOGM), Charles Reynolds-surface owner, Mark Reynolds-surface owner, Bedos-Nelison Construction, Ray Trujillo-XTO, Kyla Vaughan-XTO, Ray Peterson-Emery County, Allen Childs-Talon Resources

Regional/Local Setting & Topography

Proposed project area is located ~20 mile northwest of Huntington, located in Emery County Utah. Project site is atop of the Wasatch Plateau on the eastern rim. Drainages flow into Huntington Creek within 20 miles and eventually to the Green River 60 miles away. Project site is located in a 24-28" precept zone in open grass/forb mountain sage flat. Regionally agriculture lands are located along the valley floor 15 miles to the southeast, with the exception of the Skyline drive portions of the Wasatch Plateau, the climate is arid rangelands dominated by Salt Scrub shrub lands and Pinion/Juniper woodlands. Soils in the region are generally poorly developed, and moderate too highly erosive. At the project site vegatation is dominated by mountain sage, soils are moderaly deep clay loams underline by limestone bedrock. No perennial water sources were observed immediately adjacent to the project area.

Surface Use Plan

Current Surface Use
Grazing
Wildlfe Habitat

New Road Miles	Well Pad		Src Const Material	Surface Formation
0.25	**Width** 170	**Length** 260	Onsite	NHORN

Ancillary Facilities N

Waste Management Plan Adequate? Y

Environmental Parameters

Affected Floodplains and/or Wetland N

Flora / Fauna

Flora:
Grass: Salina wildrye, blue rye and mutton grass.
Forbs: Dandelion, cinquefoil spp, penstemon spp, taper tip hawks beard, allium spp, blue bells, spring parsley and silver lupine.
Shrubs: Mountain sage.
Trees: Douglas fir and aspen.

Fauna: Mule deer, elk, bear, mountain lion, bobcat, coyote, red fox, yellow belly marmot, ground squirrel, stripped chipmunk, gray squirrel, sage grouse, blue grouse and a host of small rodents, song birds and raptors.

Soil Type and Characteristics

Moderately deep loam and gray clay limestone mix.

Erosion Issues Y

High precipitation zone has the potential to create accelerated erosion of disturbed soils.

Sedimentation Issues N

Site Stability Issues N

Drainage Diverson Required N

Berm Required? N

Erosion Sedimentation Control Required? N

Paleo Survey Run? N **Paleo Potental Observed?** N **Cultural Survey Run?** N **Cultural Resources?** N

Reserve Pit

Site-Specific Factors		Site Ranking
Distance to Groundwater (feet)	>200	0
Distance to Surface Water (feet)	>1000	0
Dist. Nearest Municipal Well (ft)	>5280	0
Distance to Other Wells (feet)	>1320	0
Native Soil Type	Mod permeability	10
Fluid Type	Fresh Water	5
Drill Cuttings	Normal Rock	0
Annual Precipitation (inches)	>20	10
Affected Populations	<10	0
Presence Nearby Utility Conduits	Not Present	0
	Final Score	25 1 **Sensitivity Level**

Characteristics / Requirements

Closed Loop Mud Required? N **Liner Required?** Y **Liner Thickness** 12 **Pit Underlayment Required?** N

Other Observations / Comments

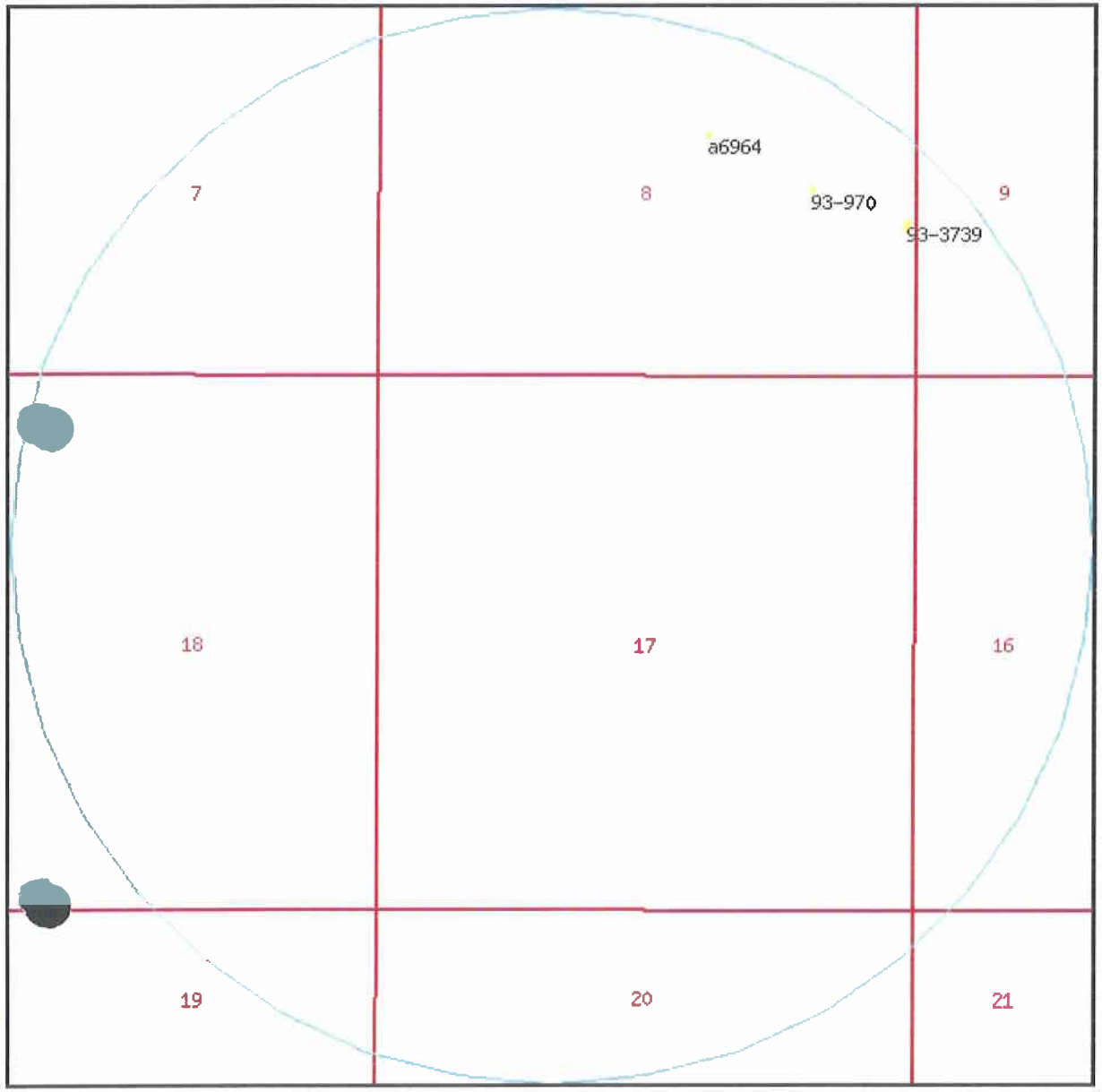
County road used to access the well site contains many steep grades and rock outcrops. Emery county cautioned XTO that road would require continual maintenance to handle rig traffic and recommended they consider other options for rig traffic. Surface owners maintain route into Hiawatha that is available for a use fee. County roads accessing project site from the north are also an option.

Bart Kettle	5/22/2007
Evaluator	**Date / Time**

WRPLAT Program Output Listing

Version: 2007.04.13.01 Rundate: 09/14/2007 04:15 PM

Radius search of 5280 feet from a point S1673 E1707 from the NW corner, section 17, Township 16S, Range 8E, SL b&m Criteria:wrtypes=W,C,E podtypes=S,U,D,Sp status=U,A,P usetypes=all



Water Rights

WR Number	Diversion Type/Location	Well Log	Status	Priority	Uses	CFS	ACFT	Owner Name
91-251	Underground		P	19571011	DMO	0.942	0.000	ANR CO. INC
	N1450 W92 SE 08 16S 8E SL							3212 SOUTH STATE STREET
91-316	Surface		P	1910	MO	0.058	0.000	ANR CO. INC
	N1450 W92 SE 08 16S 8E SL							3212 SOUTH STATE STREET
93-1089	Underground		P	19100700	I	0.390	0.000	ANR CO INC.
	N1500 W85 SE 08 16S 8E SL							3212 SOUTH STATE STREET
[redacted]524	Surface		P	19300410	MO	0.000	10.514	ANR CO INC.
	N1831 W1012 SW 09 16S 8E SL							3212 SOUTH STATE STREET
93-3739	Underground		P	19100700	I	0.056	0.000	ANR CO. INC.
	N1500 W85 SE 08 16S 8E SL							3212 SOUTH STATE STREET
93-3745	Surface		P	19300410	MO	0.000	62.664	INTERMOUNTAIN POWER AGENCY
	N1831 W1012 SE 08 16S 8E SL							480 EAST 6400 SOUTH, SUITE 200
93-3746	Surface		P	19300410	MO	0.000	42.056	INTERMOUNTAIN POWER AGENCY
	N1831 W1012 SW 09 16S 8E SL							480 EAST 6400 SOUTH, SUITE 200
[redacted]93-970	Surface		P	19300410	MO	0.130	15.666	ANR CO INC.
	N1831 W1012 SE 08 16S 8E SL							3212 SOUTH STATE STREET
a6964	Surface		A	19720608	DM	0.370	0.000	UNITED STATES FUEL COMPANY
	N2378 W2012 SW 09 16S 8E SL							340 HARDSCRABBLE ROAD

STATE ACTIONS
Resource Development Coordinating Committee
Public Lands Policy Coordination Office
5110 State Office Building
SLC, UT 84114
Phone No. 537-9230

1. State Agency Oil, Gas and Mining 1594 West North Temple, Suite 1210 Salt Lake City, UT 84114-5801	**2. Approximate date project will start:** Upon Approval or July 3, 2007

3. Title of proposed action:
Application for Permit to Drill

4. Description of Project:

XTO Energy proposes to drill the COP 16-8-17-22 well (wildcat) on a Fee lease, Emery County, Utah. This action is being presented to the RDCC for consideration of resource issues affecting state interests. The Division of Oil, Gas and Mining is the primary administrative agency in this action and must issue approval before operations commence.

5. Location and detailed map of land affected (site location map required, electronic GIS map preferred)
(include UTM coordinates where possible) **(indicate county)**
1673' FNL 1707' FWL, SE/4 NW/4,
Section 17, Township 16 South, Range 8 East, Emery County, Utah

6. Possible significant impacts likely to occur:
Surface impacts include up to five acres of surface disturbance during the drilling and completion phase (estimated for five weeks duration). If oil and gas in commercial quantities is discovered, the location will be reclaimed back to a net disturbance of between one and two acres – not including road, pipeline, or utility infrastructure. If no oil or gas is discovered, the location will be completely reclaimed.

7. Identify local government affected
a. Has the government been contacted? No.
b. When?
c. What was the response?
d. If no response, how is the local government(s) likely to be impacted?

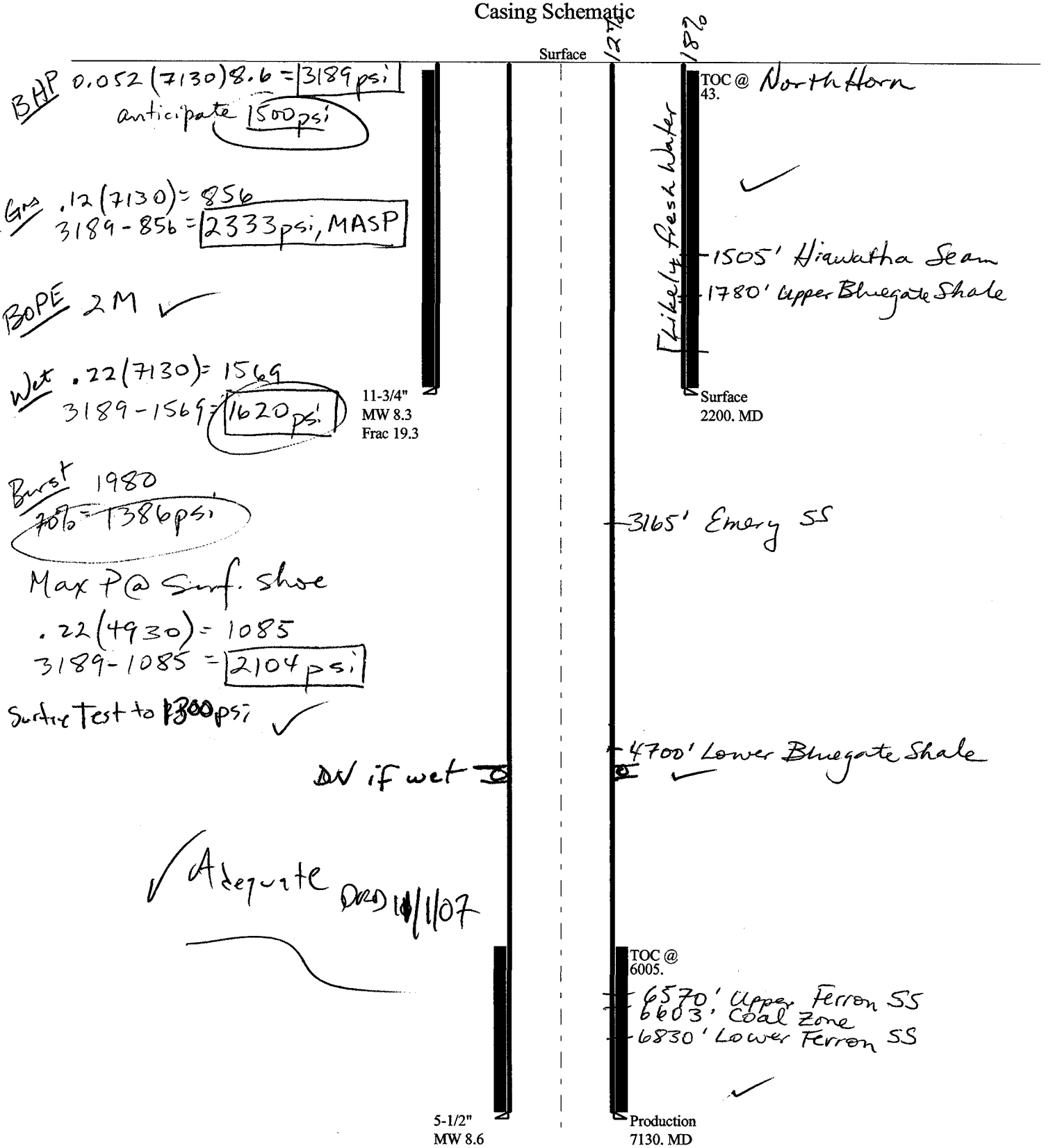
8. For acquisitions of land or interests in land by DWR or State Parks please identify state representative and state senator for the project area. Name and phone number of state representative, state senator near project site, if applicable:
a. Has the representative and senator been contacted? N/A

9. Areawide clearinghouse(s) receiving state action: (to be sent out by agency in block 1)
Southeastern Utah Association of Governments

10. For further information, contact: **Diana Mason** **Phone:** (801) 538-5312	**11. Signature and title of authorized officer** Gil Hunt, Associate Director **Date:** June 19, 2007

2007-09 XTO COP 16-8-17-22

Casing Schematic



Well name:	**2007-09 XTO COP 16-8-17-22**
Operator:	**XTO Energy, Inc.**
String type:	Surface
Project ID:	43-015-30717
Location:	Emery County

Design parameters:

Collapse

Mud weight:	~~8.330 ppg~~
Internal fluid density:	2.000 ppg

Burst

Max anticipated surface pressure:	1,936 psi
Internal gradient:	0.120 psi/ft
Calculated BHP	2,200 psi
Annular backup:	8.33 ppg

Minimum design factors:

Collapse:

Design factor	1.125

Burst:

Design factor	1.00

Tension:

8 Round STC:	1.80 (J)
8 Round LTC:	1.80 (J)
Buttress:	1.60 (J)
Premium:	1.50 (J)
Body yield:	1.50 (B)

Tension is based on air weight.
Neutral point: 1,929 ft

Environment:

H2S considered?	No
Surface temperature:	65 °F
Bottom hole temperature:	96 °F
Temperature gradient:	1.40 °F/100ft
Minimum section length:	150 ft
Cement top:	43 ft

Non-directional string.

Re subsequent strings:

Next setting depth:	7,130 ft
Next mud weight:	8.600 ppg
Next setting BHP:	3,185 psi
Fracture mud wt:	19.250 ppg
Fracture depth:	2,200 ft
Injection pressure:	2,200 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft^3)
1	2200	11.75	42.00	H-40	ST&C	2200	2200	10.959	1474

Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	723	1040	1.438	1936	1980	1.02	92	307	3.32 J

Prepared by: Helen Sadik-Macdonald
Div of Oil,Gas & Minerals
Phone: 801-538-5357
FAX: 801-359-3940

Date: October 31,2007
Salt Lake City, Utah

ENGINEERING STIPULATIONS:
Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Well name:	**2007-09 XTO COP 16-8-17-22**
Operator:	**XTO Energy, Inc.**
String type:	Production
Project ID:	43-015-30717
Location:	Emery County

Design parameters:

Collapse
Mud weight: 8.600 ppg
Design is based on evacuated pipe.

Burst
Max anticipated surface pressure: 1,617 psi
Internal gradient: 0.220 psi/ft
Calculated BHP 3,185 psi

No backup mud specified.

Minimum design factors:

Collapse:
Design factor 1.125

Burst:
Design factor 1.00

Tension:
8 Round STC: 1.80 (J)
8 Round LTC: 1.80 (J)
Buttress: 1.60 (J)
Premium: 1.50 (J)
Body yield: 1.50 (B)

Tension is based on air weight.
Neutral point: 6,202 ft

Environment:
H2S considered? No
Surface temperature: 65 °F
Bottom hole temperature: 165 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 368 ft

Cement top: 6,005 ft

Non-directional string.

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft^3)
1	7130	5.5	15.50	J-55	ST&C	7130	7130	4.825	952.9

Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	3185	4040	1.268	3185	4810	1.51	111	202	1.83 J

Prepared by: Helen Sadik-Macdonald
Div of Oil,Gas & Minerals
Phone: 801-538-5357
FAX: 801-359-3940
Date: October 24,2007
Salt Lake City, Utah

ENGINEERING STIPULATIONS:
Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

MEMORANDUM

DATE: June 25, 2007

TO: Utah Division of Oil, Gas and Mining

FROM: Utah Geological Survey, Ground Water and Paleontology Program

SUBJECT: UGS comments on RDCC item 8101

CC: Resource Development Coordinating Committee

8101. Division of Oil, Gas and Mining
Short Turn Around Drilling Permit
Sec. 17, T16S, R8E, Emery County
Application for Permit to Drill - XTO Energy proposal to drill a wildcat well the COP 16-8-17-22 on a Fee lease

Although there are no paleontological localities recorded in our files for this project area, the Cretaceous/Tertiary North Horn Formation, and Late Cretaceous Blackhawk Formation that are exposed here have the potential for yielding significant vertebrate fossil localities. The office of the State Paleontologist therefore recommends that a paleontological survey be conducted for this project and its easements by a paleontologist with a valid permit.

From: Robert Clark
To: Mason, Diana
Date: 6/26/2007 9:44 AM
Subject: RDCC short turn-around comments

CC: Anderson, Tad; Mcneill, Dave; Wright, Carolyn

The following comments are in response to short turn-around items **RDCC #8088 and RDCC #8101.**

RDCC #8088, Comments begin: The Miller, Dyer & Company, LLC proposal to drill the Hatch Point 14-21-29-23 wildcat well, in San Juan County, may require a permit, known as an Approval Order, from the Executive Secretary of the Air Quality Board. If any compressor or pump stations are constructed at the site, a permit application, known as a Notice of Intent (NOI), should be submitted to the Executive Secretary at the Utah Division of Air Quality at 150 N. 1950 West, Salt Lake City, Utah, 84116 for review according to the Utah Air Quality Rule R307-401. Permit: Notice of Intent and Approval Order. A copy of the rules is found at www.rules.utah.gov/publicat/code/r307/r307.htm .

The proposed project is also subject to Utah Air Quality Rule R307-205-5, Fugitive Dust, due to the fugitive dust that is generated during the excavating phases of the project. These rules apply to construction activities that disturb an area greater than 1/4 acre in size. A permit, known as an Approval Order, is not required from the Executive Secretary of the Air Quality Board, but steps need to be taken to minimize fugitive dust, such as watering and/or chemical stabilization, providing vegetative or synthetic cover or windbreaks. A copy of the rules may be found at www.rules.utah.gov/publicat/code/r307/r307.htm . **Comments end.**

RDCC#8101, Comments begin: The XTO Energy proposal to drill the COP 16-8-17-22 wildcat well, in Emery County, may require a permit, known as an Approval Order, from the Executive Secretary of the Air Quality Board. If any compressor or pump stations are constructed at the site, a permit application, known as a Notice of Intent (NOI), should be submitted to the Executive Secretary at the Utah Division of Air Quality at 150 N. 1950 West, Salt Lake City, Utah, 84116 for review according to the Utah Air Quality Rule R307-401. Permit: Notice of Intent and Approval Order. A copy of the rules is found at www.rules.utah.gov/publicat/code/r307/r307.htm .

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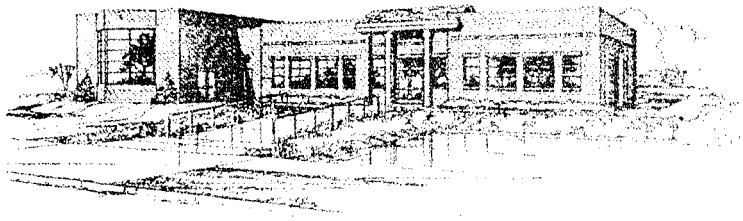
Robert Clark
Division of Air Quality
801-536-4435

SOUTHEASTERN UTAH ASSOCIATION OF LOCAL GOVERNMENTS

Doug Allen
Chairman

William D. Howell
Executive Director



375 South Carbon Ave.
P.O. Drawer 1106
Price, Utah 84501
(435) 637-5444
FAX (435) 637-5448

AREA WIDE CLEARINGHOUSE REVIEW

Federal Action _____ *State Action* _____ *Approved* (x) Yes ( ) No

Other (indicate) _____

Applicant Address:

Oil, Gas & Mining
1594 West North Temple #1210
SLC, UT 84114-5801

Name Diana Mason
Phone 801-538-5312

Title/Project Description: Application for Permit to Drill (COP 16-8-17-22 well)
Exploratory well on a private fee lease in Emery County at Sec17,T16S,R8E.

[ ] No Comment
[ ] See comment below

Comments: Favorable comment recommended.

RECEIVED
JUL 16 2007
DIV. OF OIL, GAS & MINING

Lorraine Bennefield
SEUALG

July 12, 2007
DATE

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 3

AMENDED REPORT ☑
(highlight changes)

APPLICATION FOR PERMIT TO DRILL

5 MINERAL LEASE NO: Fee	6 SURFACE: Fee
7 IF INDIAN, ALLOTTEE OR TRIBE NAME: N/A	
8 UNIT or CA AGREEMENT NAME: N/A	
9 WELL NAME and NUMBER: COP 16-8-17-22	
10 FIELD AND POOL, OR WILDCAT: Ferron Sandstone	
11 QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SENW 17 16S 8E S	

1A TYPE OF WORK: DRILL ☑ REENTER ☐ DEEPEN ☐

B TYPE OF WELL: OIL ☐ GAS ☑ OTHER _____ SINGLE ZONE ☑ MULTIPLE ZONE ☐

2 NAME OF OPERATOR: XTO Energy, Inc.

3 ADDRESS OF OPERATOR: 2700 Farmington Ave. B Farmington NM 87401 PHONE NUMBER: (505) 324-1090

4 LOCATION OF WELL (FOOTAGES)
AT SURFACE: 1673' FNL x 1707' FWL 495578 X 4364773 Y 39.434371 -110.051381
AT PROPOSED PRODUCING ZONE: same

14 DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE: Approximately 13 miles Northwest of Huntington, Ut

12 COUNTY: Emery

13 STATE: UTAH

15 DISTANCE TO NEAREST PROPERTY OR LEASE LINE (FEET)	16 NUMBER OF ACRES IN LEASE	17 NUMBER OF ACRES ASSIGNED TO THIS WELL
5000	6707.23	
18 DISTANCE TO NEAREST WELL (DRILLING, COMPLETED, OR APPLIED FOR) ON THIS LEASE (FEET)	**19 PROPOSED DEPTH**	**20 BOND DESCRIPTION**
7500'	7,130	UTB-000138
21 ELEVATIONS (SHOW WHETHER DF, RT, GR, ETC.)	**22 APPROXIMATE DATE WORK WILL START**	**23 ESTIMATED DURATION**
9297' Ground Elevation	9/5/2007	2 weeks

24 **PROPOSED CASING AND CEMENTING PROGRAM**

SIZE OF HOLE	CASING SIZE, GRADE, AND WEIGHT PER FOOT	SETTING DEPTH	CEMENT TYPE, QUANTITY, YIELD, AND SLURRY WEIGHT			
14.75"	11.75" H-40 42#	2,200	Type V	+/- 1205 sx	1.61 ft3/sx	14.2 ppg
8.75"	5.5" J-55 15.5#	7,130	CBM light wt - lead	+/- 55 sx	4.15 ft3/sx	10.5 ppg
			CBM light wt - tail	+/- 97 sx	1.81 ft3/sx	13.5 ppg

25 **ATTACHMENTS**

VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES

☑ WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER
☑ EVIDENCE OF DIVISION OF WATER RIGHTS APPROVAL FOR USE OF WATER
☑ COMPLETE DRILLING PLAN
☐ FORM 5, IF OPERATOR IS PERSON OR COMPANY OTHER THAN THE LEASE OWNER

NAME (PLEASE PRINT) Kyla Vaughan TITLE Regulatory Compliance Tech

SIGNATURE Kyla Vaughan DATE 9/28/2007

(This space for State use only)

API NUMBER ASSIGNED 43-015-30717

APPROVAL

Approved by the Utah Division of Oil, Gas and Mining
(See Instructions on Reverse Side)

Date: 11-01-07

By: _____

RECEIVED
SEP 28 2007
DIV. OF OIL, GAS & MINING

(11/2001)

XTO Energy, Inc.

COP 16-8-17-22
Drilling Data for APD
September 24, 2007

RECEIVED
SEP 28 2007
DIV. OF OIL, GAS & MINING

Surface Location: 1673' FNL & 1707' FWL, Sec. 17, T16S, R8E

Proposed TD: 7130'
Approximate Elevation: 9297'

Objective: Ferron Coal
KB Elevation: 9309'

1. Mud Program:

Interval	0'-2200'	600'-7130'
Hole Size	14.75"	8.75"
Mud Type	Fresh Water/Spud Mud	Air/LSND/Gel Chemical
Weight	N/A	8.4-8.6
Viscosity	N/A	45-60
Water Loss	N/A	8-10

a. Drill surface with FreshWater/Spud Mud. If aeration becomes necessary, nipple up 20" rotating head.

b. Air drill to TD using produced water for mist fluid unless excessive water flow is encountered then switch to water based mud. If mud is required, use fibrous materials as needed to control seepage and lost circulation. Pump high viscosity sweeps as needed for hole cleaning. Raise viscosity at TD for logging. Reduce viscosity after logging for cementing.

c. The blooie line will be approximately 100' in length and will extend in a straight line from below the rotating head as indicated in the BOP schematic. An automatic spark-type igniter will be fixed to the end of the blooie line and set to provide a continuous spark to ignite and burn any produced hydrocarbons and/or gasses.

d. If necessary, de-dusting will be accomplished with a small pump, waterline, and spray nipple positioned near the end of the blooie line to provide a continuous spray of water.

e. Sufficient mud materials will be stored on location to maintain well control and combat lost circulation problems that might reasonably be expected.

f. The BOP system will be consistent with API RP53 and Onshore Oil & Gas Order No. 2. Pressure tests of the surface casing and all BOP equipment subject to pressure will be conducted before drilling the casing shoe. Blowout preventer controls will be installed prior to drilling the surface casing shoe and will remain

in use until the well is completed or abandoned. Ram preventers shall be inspected and operated daily. Annular preventers shall be inspected an operated weekly to ensure good mechanical working order. The inspections and tests shall be recorded in the drilling log and daily drilling report. See the attached BOP and choke manifold schematic.

2. Casing Program:

   a. Surface Casing set @ 2200' in a 14.75" hole.

11.75, 42 #/ft, H-40, ST&C, New, (11.000" ID, 10.844" Drift)					
Collapse Press	Burst Press	Joint Strength	SF Collapse	SF Burst	SF Tension
1070	1980	307	1.12	2.07	3.32

   b. Production Casing set @ 7130' in an 8.75" hole.

5.5", 15.5 #/ft, J-55, ST&C, New, (4.950" I.D., 4.825" Drift)					
Collapse Press	Burst Press	Joint Strength	SF Collapse	SF Burst	SF Tension
4040	4810	202	1.270	1.510	1.830

   Safety Factors based on vertical wellbore conditions with hydrostatic of fresh water with no backup used to calculate burst and collapse. Tension based on hanging weight in air.

   If surface is set through mine workings, a DV/ECP tool will be used and the shoe will be tacked approximately two joints (85') below the mine floor and the second stage will be above the roof of the mine and cemented to surface.

3. Well Heads:

   a. Casing Head: Larkin Fig 92 (or equivalent), 13-3/8" nominal, 3,000 psig WP (6,000 psig test) with 11-3/4" 8rnd thread on bottom and 13-3/8" Flange. NU BOP and choke manifold (see attached schematic). Stack to consist of drilling spool with choke and kill lines, double rams with pipe rams on top, blind rams on bottom. Use cold water and test BOP to 250 psi low and 1,000 psi high. Record all tests on the IADC report. Inspect accumulator and closing unit to ensure that pre-charge pressures and oil levels are within API Specifications and report same on IADC report.

   b. Tubing Head: Larkin Fig 612 (or equivalent), 5,000 psig WP (5,000 psig test), 5 ½" SOW (or API 8 rnd female thread) on bottom, 7 $^{1}/_{16}$" 5,000 psig flange on top with two 3" LPOs.

4. Cement Program:

    a. Surface: 1205 sx of Type V cement (or equivalent) containing 1% CaCl, ¼ pps Flocele, and 10% Cal_Seal mixed at 14.2 ppg and 1.61 ft^3/sk.

        i. Slurry Volume is 1940 ft^3, 200% excess of calculated annular volume to 2200'.

    b. Production:

        i. The production casing will be cemented using 2 (lead and tail) cement slurries. The lead cement (filler grade) volume will be calculated based on a maximum achievable top assuming formation pressure of 1,000 psi at the shoe. The tail cement will be calculated from TD to 300' above the Upper Ferron Sandstone as indicated on the formation tops table. water is found in the Emery SS the DV/ECP will be placed in the l Bluegate Shale at ±4,800'.

        DV if Emery wet

            1. Lead Cement: 55 sx of CBM Light Weight Cement with 1
            Gilsonite and ¼ pps celloflake mixed at 10.5 ppg and 4.15

            2. Tail Cement: 97 sx of CBM Light Weight Cement with 10
            Gilsonite and ¼ pps celloflake mixed at 13.5 ppg and 1.81

            3. Slurry volume is 400 ft^3, 40% excess of calculated annular
            to 1,000 psi hydrostatic over formation pressure.

5. Logging Program

    a. Mud logger: The mud logger will come on after surface pipe is set and will remain until TD. The mud will be logged in 10' intervals.

    b. Run Array Induction (if wet), compensated neutron, density, GR, caliper, SP (if wet), and Pe from TD to the bottom of the surface casing.

4. Cement Program:

    a. Surface: 1205 sx of Type V cement (or equivalent) containing 1% CaCl, ¼ pps Flocele, and 10% Cal_Seal mixed at 14.2 ppg and 1.61 ft^3/sk.

        i. Slurry Volume is 1940 ft^3, 200% excess of calculated annular volume to 2200'.

    b. Production:

        i. The production casing will be cemented using 2 (lead and tail) cement slurries. The lead cement (filler grade) volume will be calculated based on a maximum achievable top assuming formation pressure of 1,000 psi at the shoe. The tail cement will be calculated from TD to 300' above the Upper Ferron Sandstone as indicated on the formation tops table. If fresh water is found in the Emery SS the DV/ECP will be placed in the lower Bluegate Shale at ±4,800'.

            1. Lead Cement: 55 sx of CBM Light Weight Cement with 10 pps Gilsonite and ¼ pps celloflake mixed at 10.5 ppg and 4.15 ft^3/sk.

            2. Tail Cement: 97 sx of CBM Light Weight Cement with 10 pps Gilsonite and ¼ pps celloflake mixed at 13.5 ppg and 1.81 ft^3/sk.

            3. Slurry volume is 400 ft^3, 40% excess of calculated annular volume to 1,000 psi hydrostatic over formation pressure.

5. Logging Program

    a. Mud logger: The mud logger will come on after surface pipe is set and will remain until TD. The mud will be logged in 10' intervals.

    b. Run Array Induction (if wet), compensated neutron, density, GR, caliper, SP (if wet), and Pe from TD to the bottom of the surface casing.

6. Formation Tops:

Formation	Well Depth
Hiawatha Seam	1505
Upper Bluegate Shale	1780
Emery SS	3165
Lower Bluegate Shale	4700
Top of Upper Ferron SS	6570
Top of Coal Zone	6603
Top of Lower Ferron SS	6830
Total Depth	7130

   a. No known oil zones will be penetrated.

   b. Gas bearing sandstones and coals will be penetrated from 6570' to 7130'.

   c. The Emery SS may contain fresh water. The gas bearing sandstones and coals may contain in-situ water.

   d. The Hiawatha seam may be penetrated, potentially in a previously mined area.

      The owner of record for the mine is CO-OP Mining Company, 3212 South State Street, Salt Lake City, UT 84155-3825. The mine will be protected by setting an 11 ¾" surface casing through mine and cementing it as described above.

   e. Any prospectively valuable minerals and all fresh water zones encountered during drill will be recorded, cased, and cemented. If possible, water flow rates will be measured and samples will be taken and analyzed with the results being submitted to the appropriate agency.

   f. Maximum anticipated bottomhole pressure is anticipated to be less than 1,500 psi.

   g. No abnormal pressure, abnormal temperature, H2S, or other hazardous conditions are known to exist.

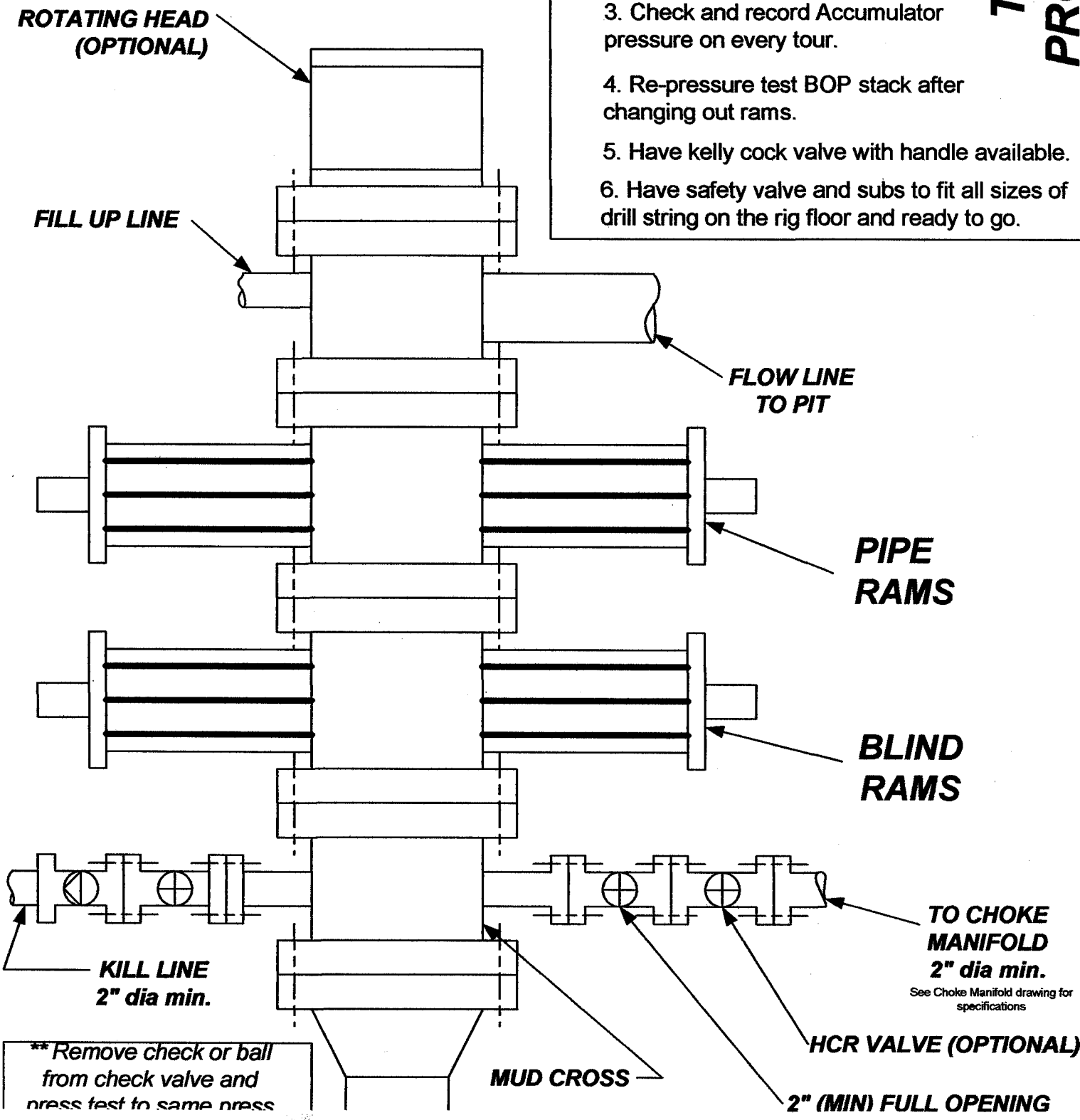
7. Company Personnel:

Name	Title	Office Phone	Mobile Phone
John Egelston	Drilling Engineer	505.564.6734	505.330.6902
Jerry Lacy	Drilling Superintendent	505.566.7914	505.320.6543
Joshua Stark	Project Geologist	817.885.2240	817.565.7158
Leonard West	Reservoir Engineer	817.885.2800	

BOP SCHEMATIC FOR DRILLING OPERATIONS CLASS 1 (2M) NORMAL PRESSURE

TESTING PROCEDURE

1. Test BOP after installation:
   Pressure test BOP to 200-300 psig (low pressure) for 10 min.
   Test BOP to Working Press or to 70% internal yield of surf csg (10 min) or which ever is less.
2. Test operation of (both) rams on every trip.
3. Check and record Accumulator pressure on every tour.
4. Re-pressure test BOP stack after changing out rams.
5. Have kelly cock valve with handle available.
6. Have safety valve and subs to fit all sizes of drill string on the rig floor and ready to go.



** Remove check or ball from check valve and press test to same press

EXHIBIT F

CHOKE MANIFOLD
SCHEMATIC FOR DRILLING OPERATIONS
CLASS 1 (2M) NORMAL PRESSURE

TESTING PROCEDURE

1. Stake all lines from choke manifold to pit.
2. Pressure test choke manifold after installation.
3. Pressure test manifold at the same time with the BOP Stack. Test manifold to the same test pressures.

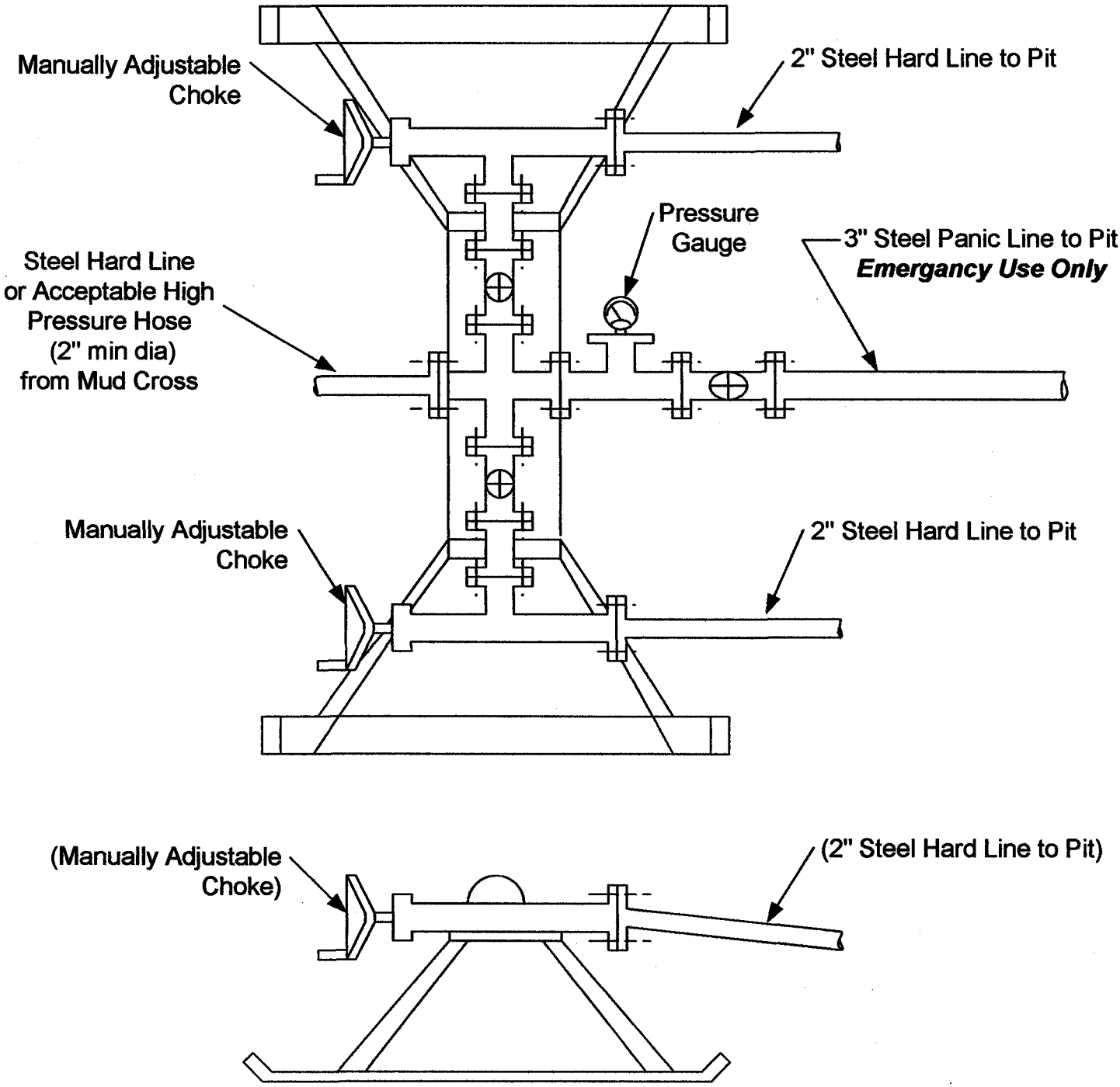
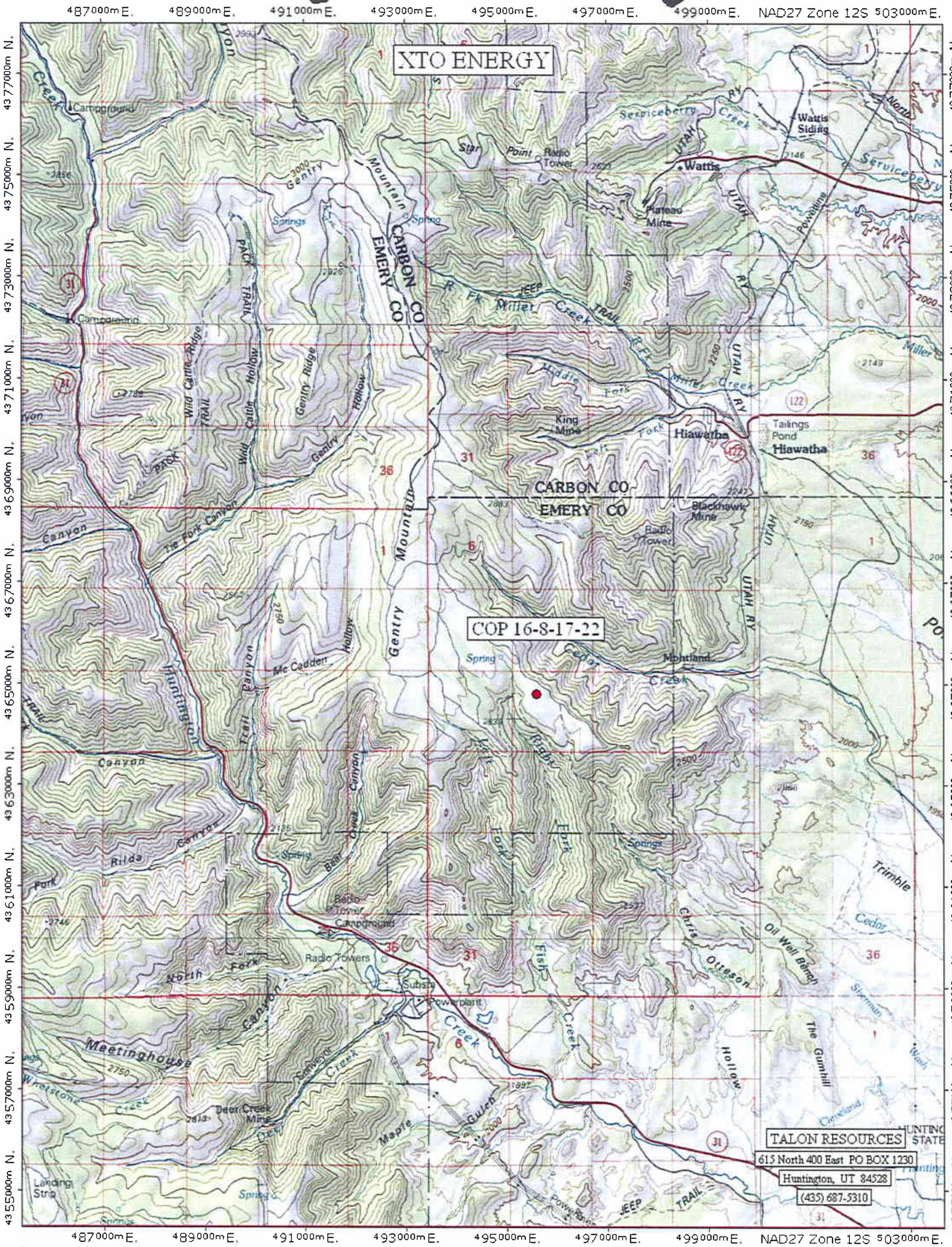


EXHIBIT F

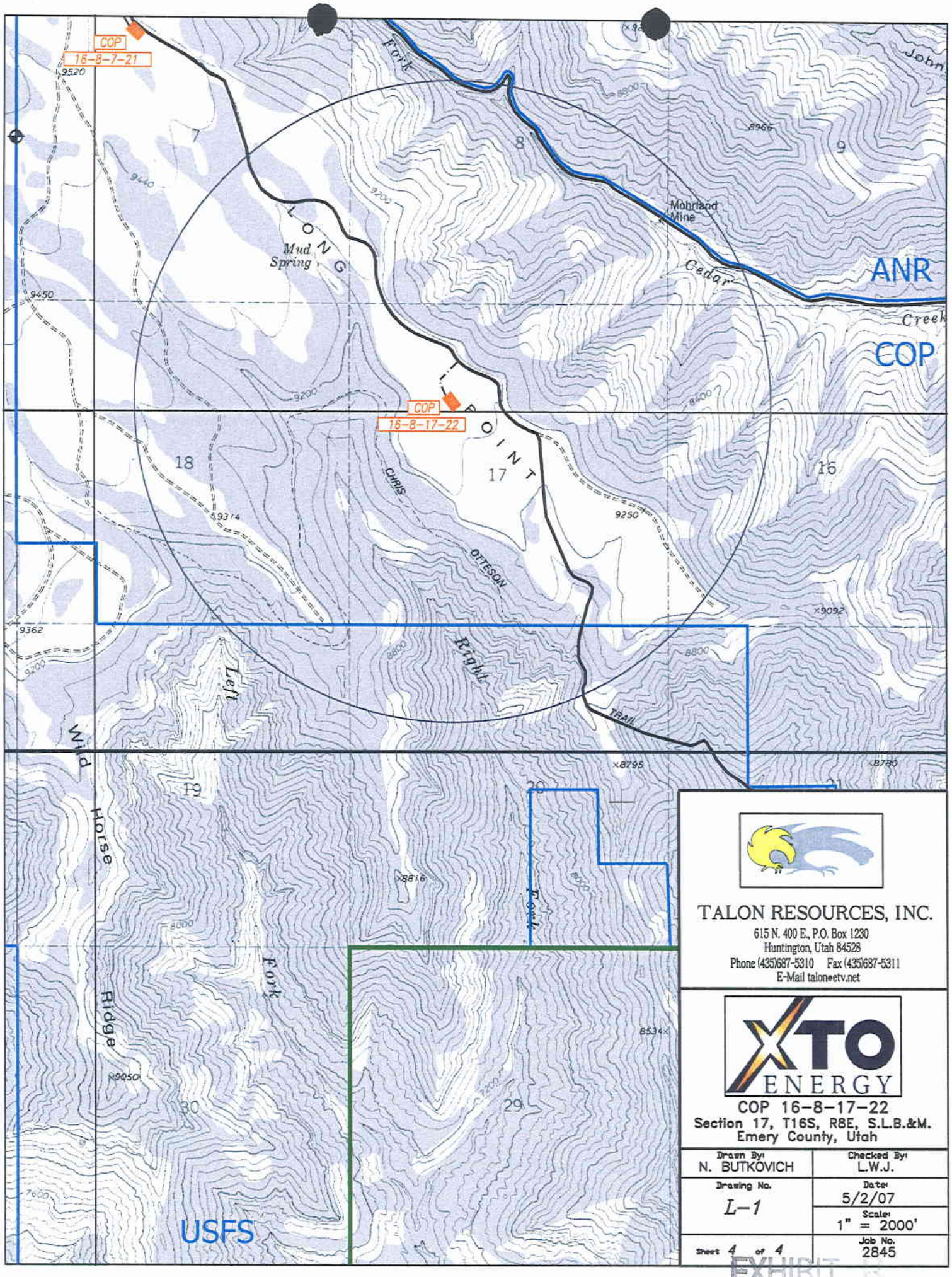


TN/MN 12½°

0.0 0.5 1.0 1.5 2.0 2.5 3.0 3.5 miles
0 1 2 3 4 5 km

Map created with TOPO!® ©2003 National Geographic (www.nationalgeographic.com/topo)

EXHIBIT A



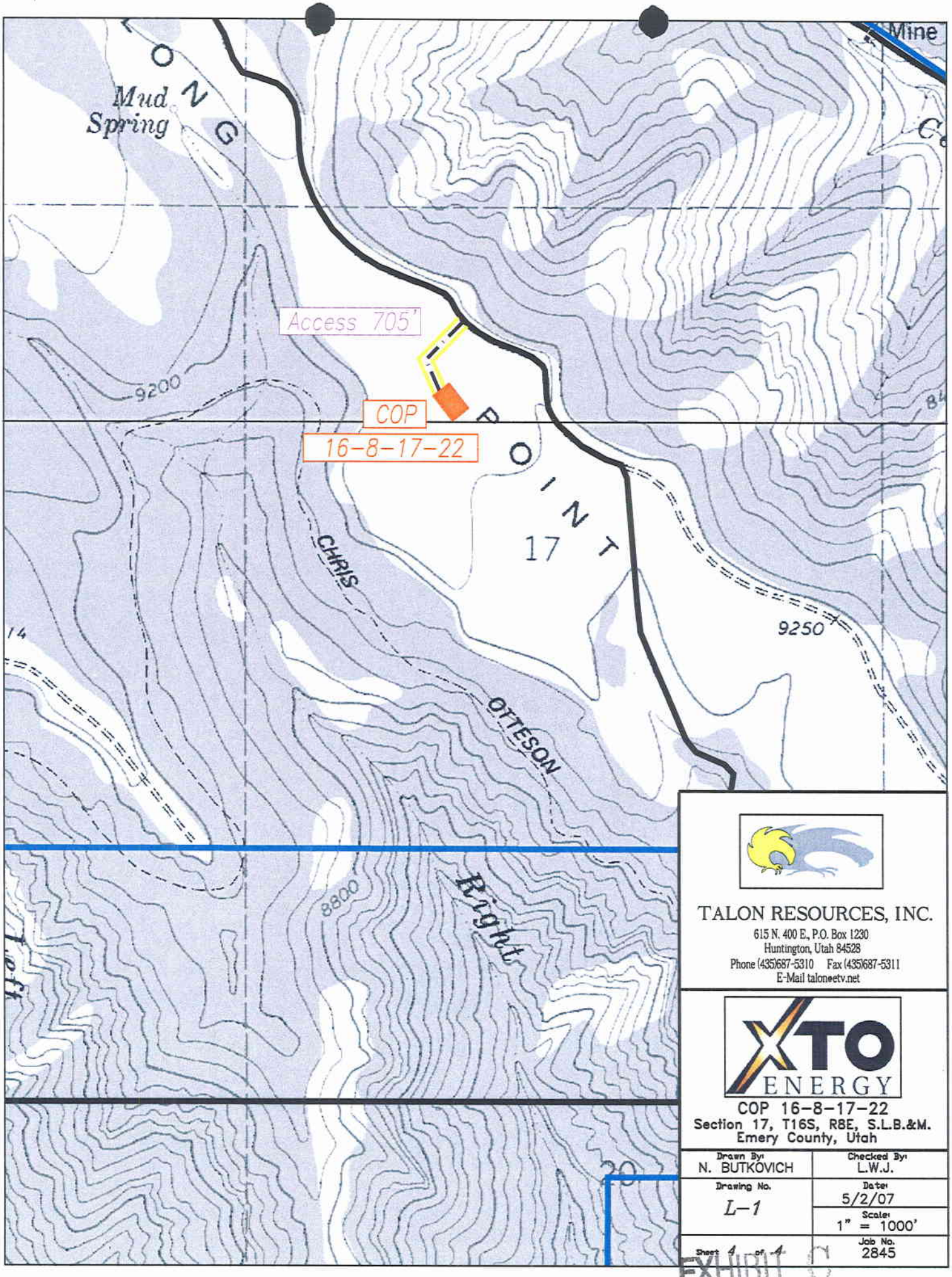
TALON RESOURCES, INC.
615 N. 400 E., P.O. Box 1230
Huntington, Utah 84528
Phone (435)687-5310 Fax (435)687-5311
E-Mail talonetv.net

XTO ENERGY

COP 16-8-17-22
Section 17, T16S, R8E, S.L.B.&M.
Emery County, Utah

Drawn By: N. BUTKOVICH	Checked By: L.W.J.
Drawing No. L-1	Date: 5/2/07
	Scale: 1" = 2000'
Sheet 4 of 4	Job No. 2845

EXHIBIT B



TALON RESOURCES, INC.
615 N. 400 E., P.O. Box 1230
Huntington, Utah 84528
Phone (435)687-5310 Fax (435)687-5311
E-Mail talonenv.net

XTO ENERGY

COP 16-8-17-22
Section 17, T16S, R8E, S.L.B.&M.
Emery County, Utah

Drawn By: N. BUTKOVICH	Checked By: L.W.J.
Drawing No. L-1	Date: 5/2/07
	Scale: 1" = 1000'
Sheet 4 of 4	Job No. 2845

EXHIBIT C

ELEVATION OF UNGRADED GROUND AT LOCATION STAKE = 9297.0'
ELEVATION OF GRADED GROUND AT LOCATION STAKE = 9296.5'

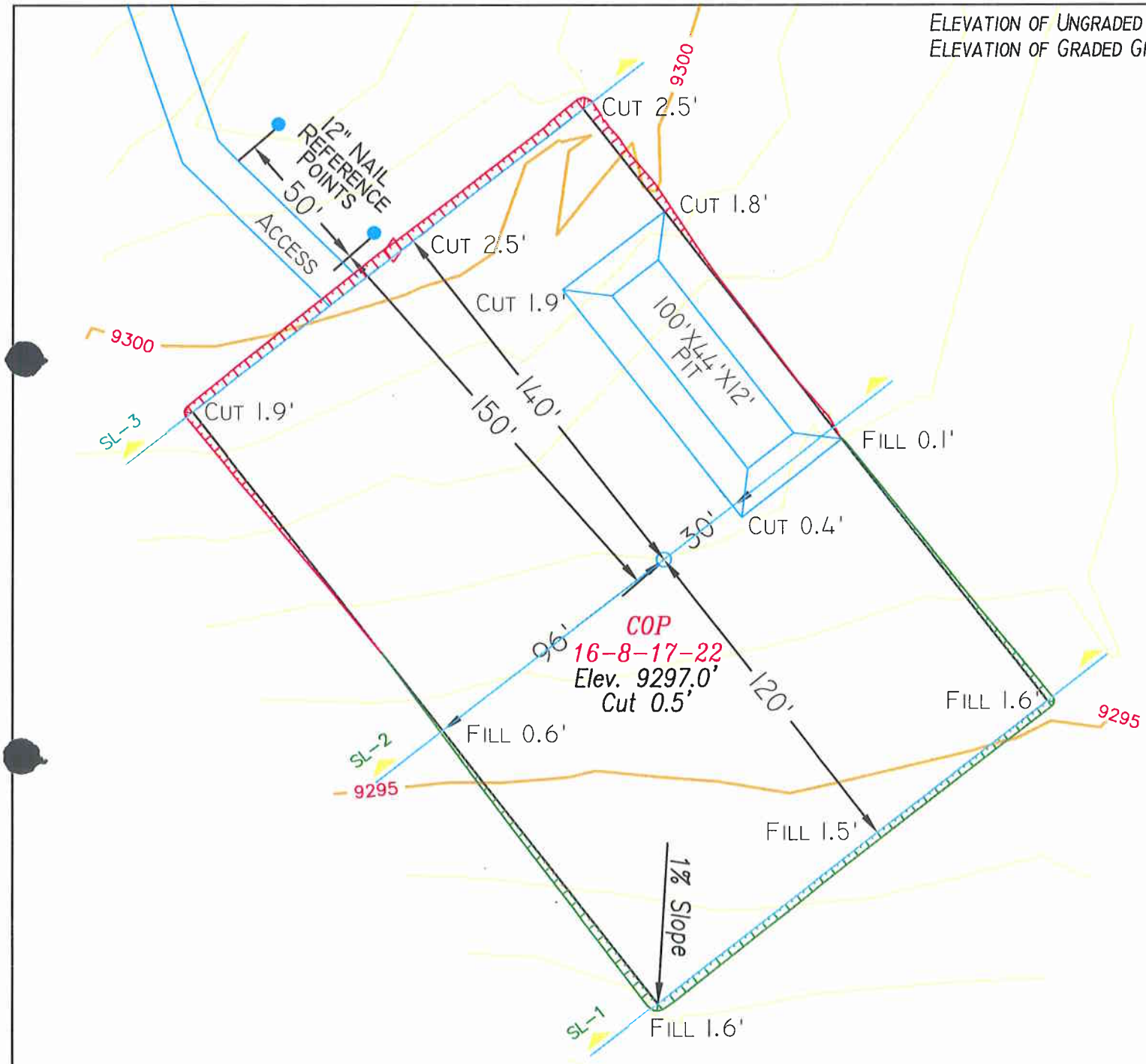


EXHIBIT D

TALON RESOURCES, INC.
615 North 400 East P.O. Box 1230
Huntington, Utah 84528
Phone (435)687-5310 Fax (435)687-5311
E-Mail talon•etv.net

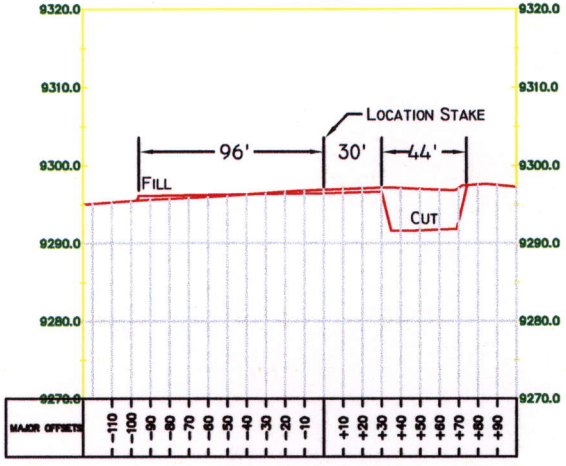
XTO ENERGY

LOCATION LAYOUT
Section 17, T16S, R8E, S.L.B.&M.
COP 16-8-17-22

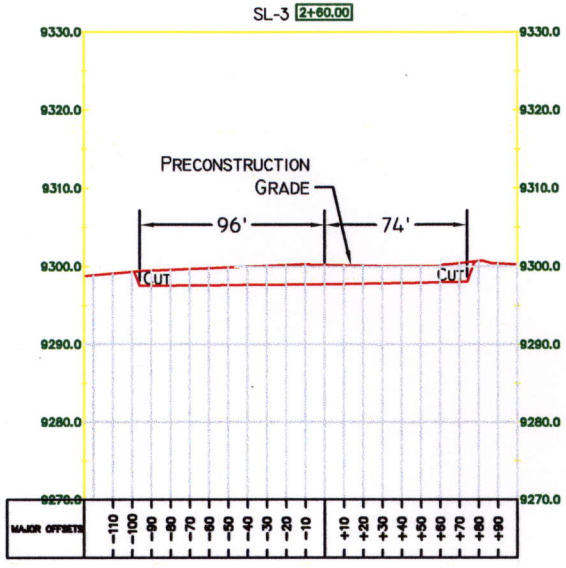
Drawn By: N. BUTKOVICH	Checked By: L.W.J.
Drawing No. A-2	Date: 5/2/07
	Scale: 1" = 50'
Sheet 2 of 4	Job No. 2845

EXHIBIT F

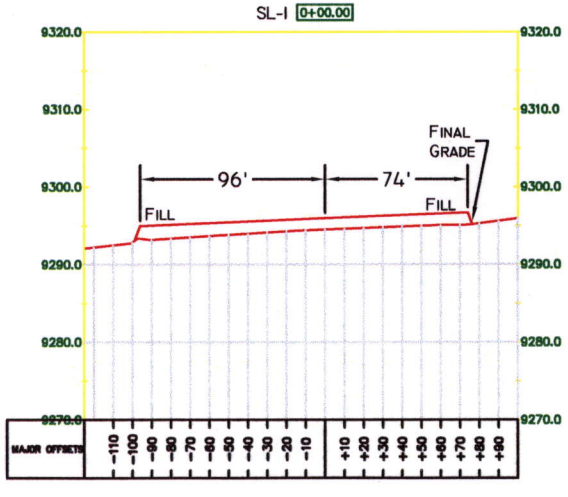
SL-2 1+20.00

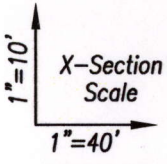


SL-3 2+60.00



SL-1 0+00.00





SLOPE = 1 1/2 : 1
(EXCEPT PIT)
PIT SLOPE = 1 ; 1

APPROXIMATE YARDAGES

(6")TOPSOIL STRIPPING = 820 CU. YDS.
TOTAL CUT (INCLUDING PIT) = 2,340 CU. YDS.
TOTAL FILL = 665 CU. YDS.

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615 North 400 East P.O. Box 1230
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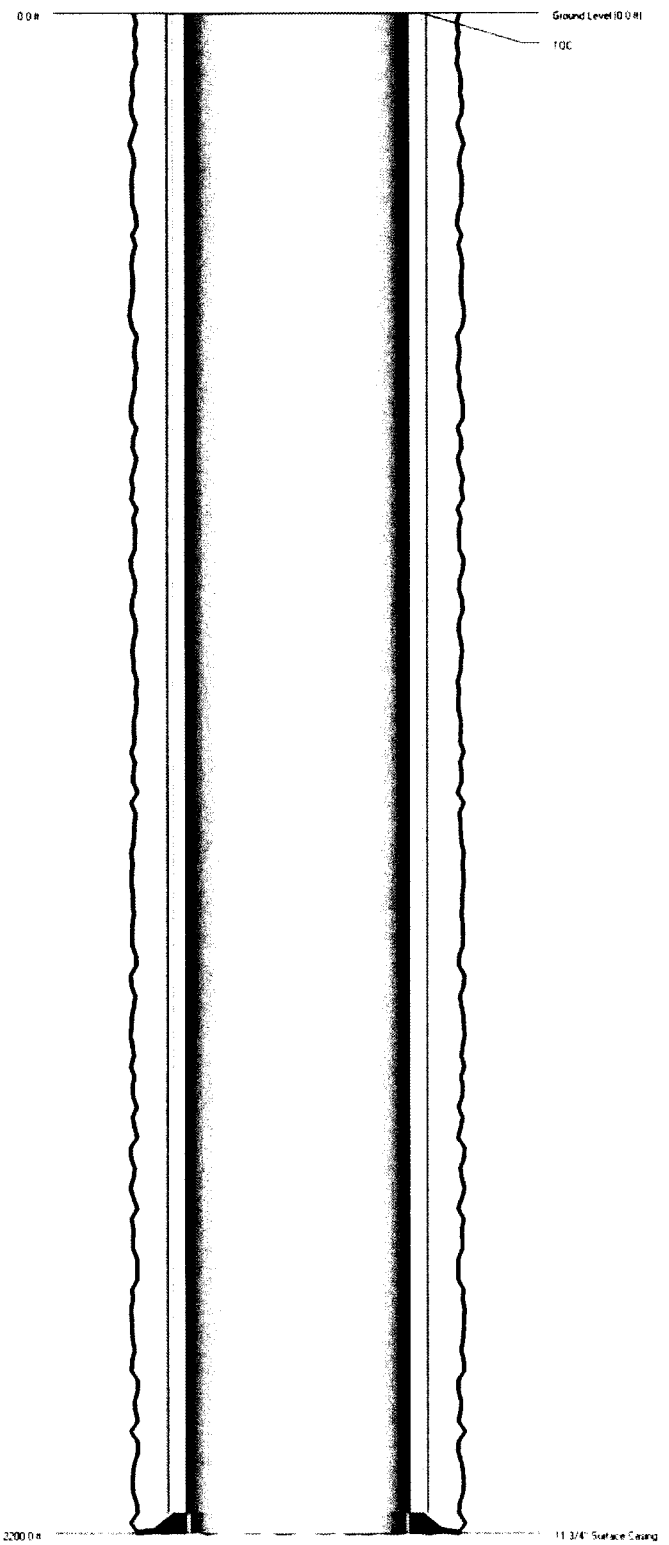
Phone (435)687-5310 Fax (435)687-5311
E-Mail talon•etv.net

XTO ENERGY

TYPICAL CROSS SECTION
Section 17, T16S, R8E, S.L.B.&M.
COP 16-8-17-22

Drawn By: N. BUTKOVICH	Checked By: L.W.J.
Drawing No. C-1	Date: 5/2/07
	Scale: 1" = 100'
Sheet 3 of 4	Job No. 2845


0.0 ft
Ground Level @ 0.0 ft
TOC
2200.0 ft
11 3/4" Surface Casing

Wellbore Diagram

API Well No: 43-007-30941-00-00 **Permit No:** **Well Name/No:** SOLDIER CREEK ST 7-32H

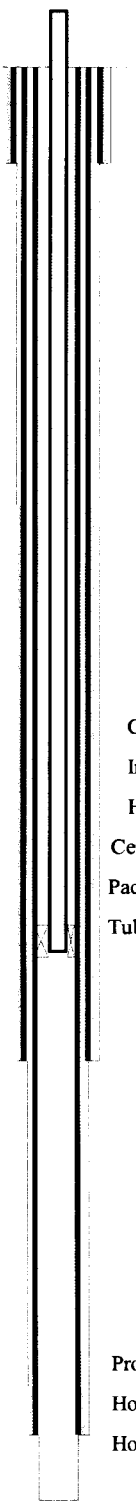
Company Name: J-W OPERATING COMPANY

Location: Sec: 32 T: 12S R: 12E Spot: NENE

Coordinates: X: 534593 Y: 4398466

Field Name: SOLDIER CREEK

County Name: CARBON



Cement from 238 ft. to surface

Surface: 13.37 in. @ 238 ft.

Hole: 17.5 in. @ 238 ft.

Cement from 3182 ft. to 1400 ft.

Intermediate: 7 in. @ 3182 ft.

Hole: 9.875 in. @ 3182 ft.

Cement from 4380 ft.

Packer: 0.375 in. @ 2850 ft.

Tubing: 3.5 in. @ 2832 ft.

Production: 4.5 in. @ 4380 ft.

Hole: 6.25 in. @ 4380 ft.

Hole: Unknown

TD: 4588 **TVD:** 2312 **PBTD:** 4410

String Information

String	Bottom (ft sub)	Diameter (inches)	Weight (lb/ft)	Length (ft)
HOL1	238	17.5		
SURF	238	13.37	54.5	238
HOL2	3182	9.875		
I1	3182	7	20	3182
HOL3	4380	6.25	10.5	4380
PROD	4380	4.5	10.5	4380
T1	2832	3.5		
PKR	2850	0.375		

Cement Information

String	BOC (ft sub)	TOC (ft sub)	Class	Sacks
I1	3182	1400	G	350
PROD	4380			
SURF	238	0	UK	230

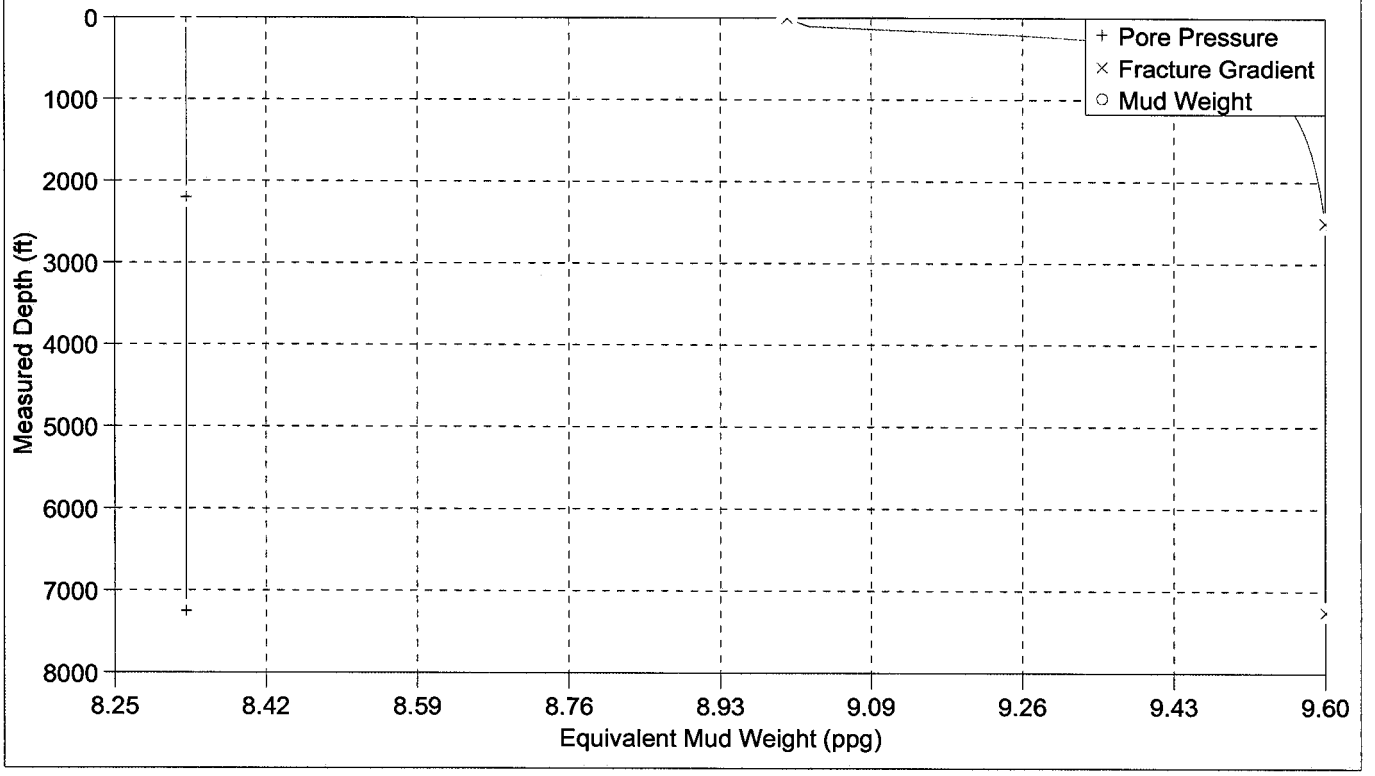
Perforation Information

Top (ft sub)	Bottom (ft sub)	Shts/Ft	No Shts	Dt Squeeze
2831	2840			

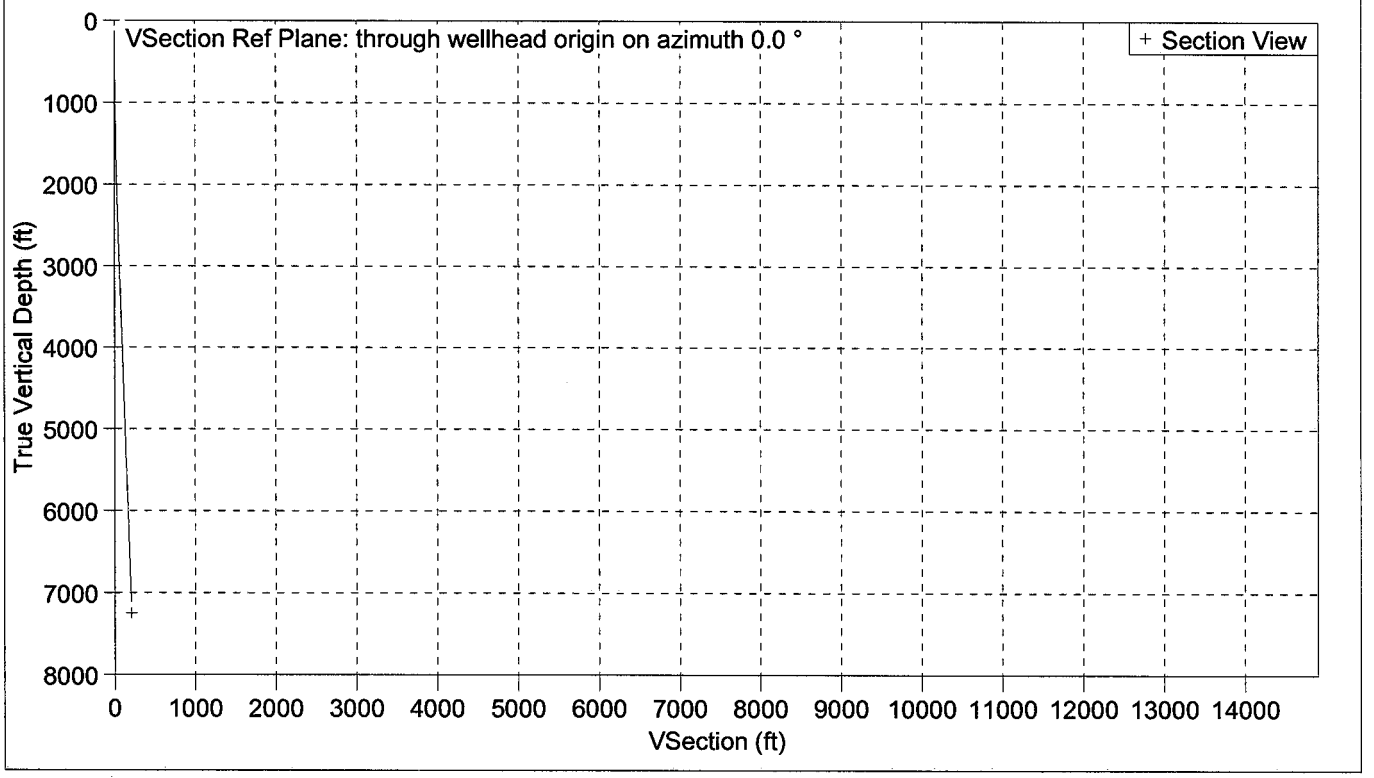
Formation Information

Formation	Depth
SUNSD	2831

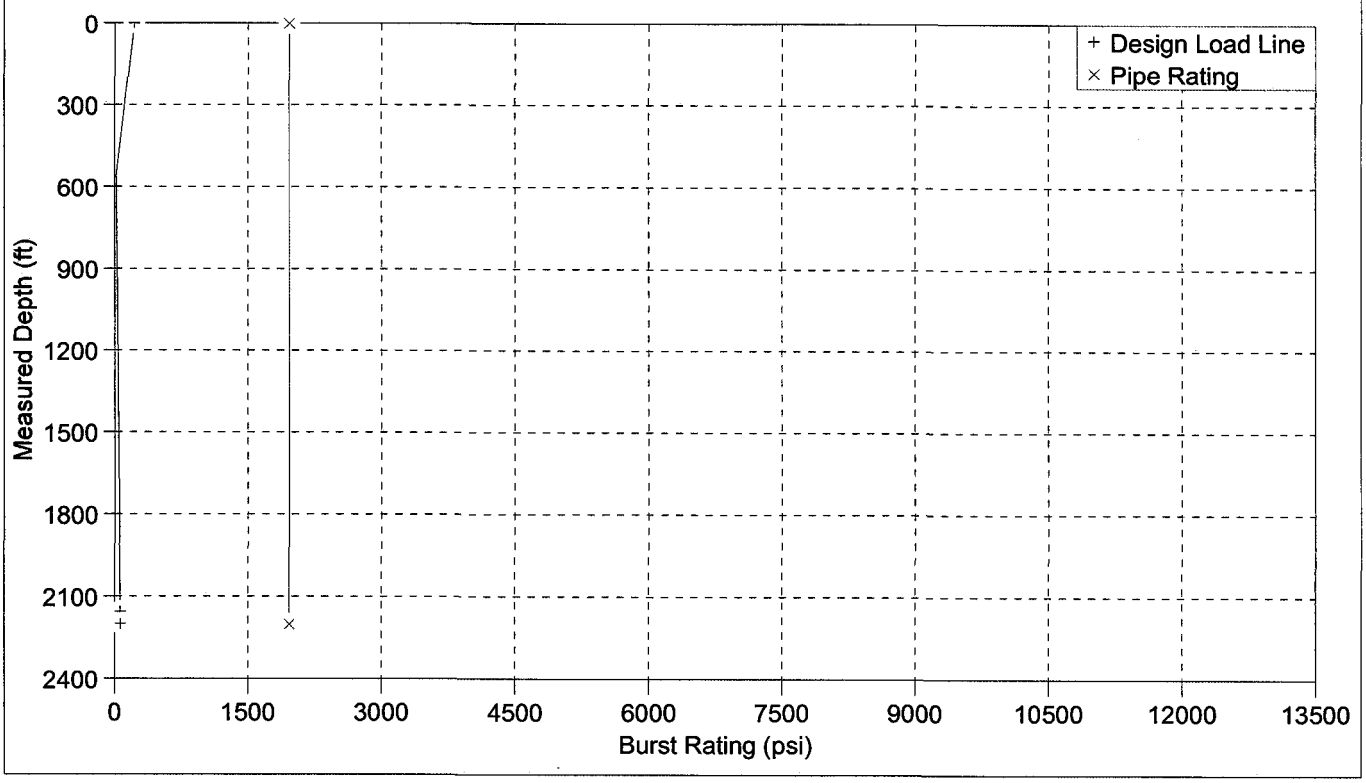
PORE, FRACTURE & MW



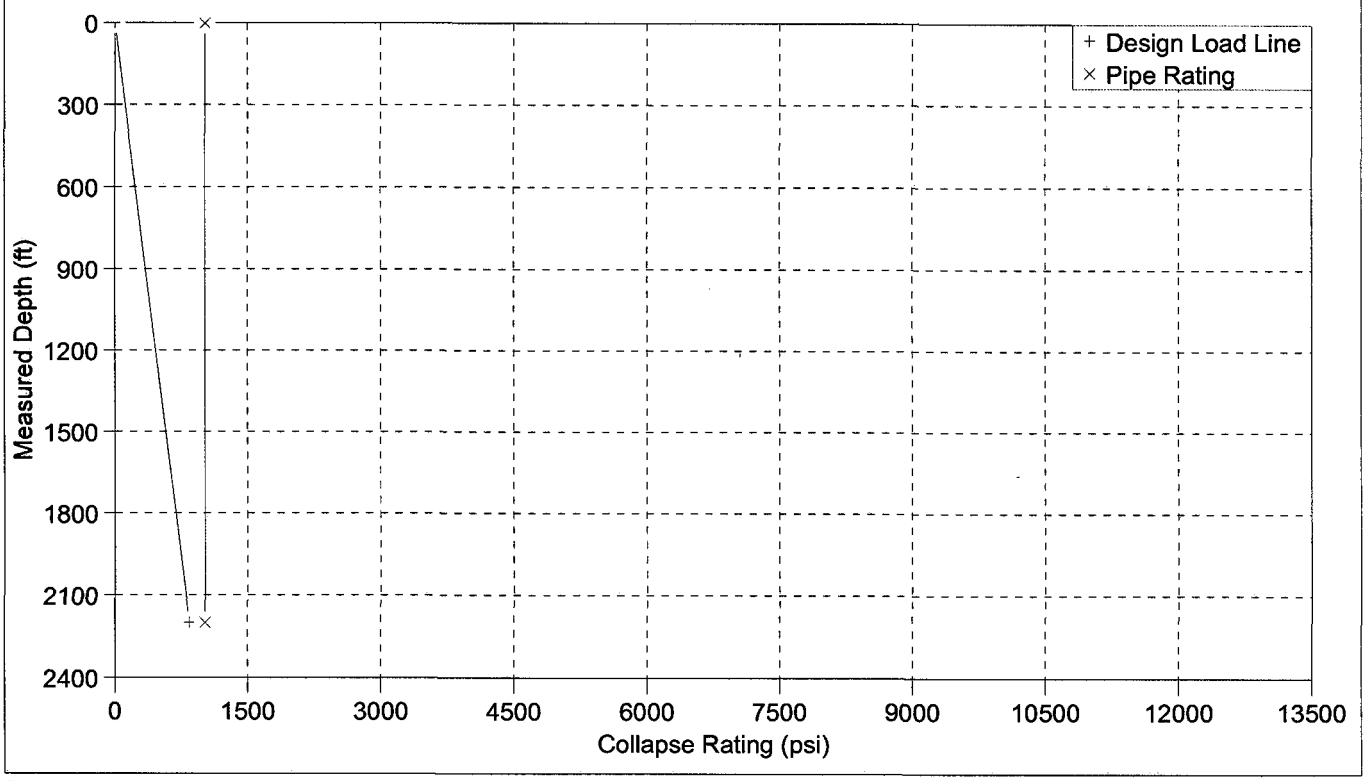
SECTION VIEW



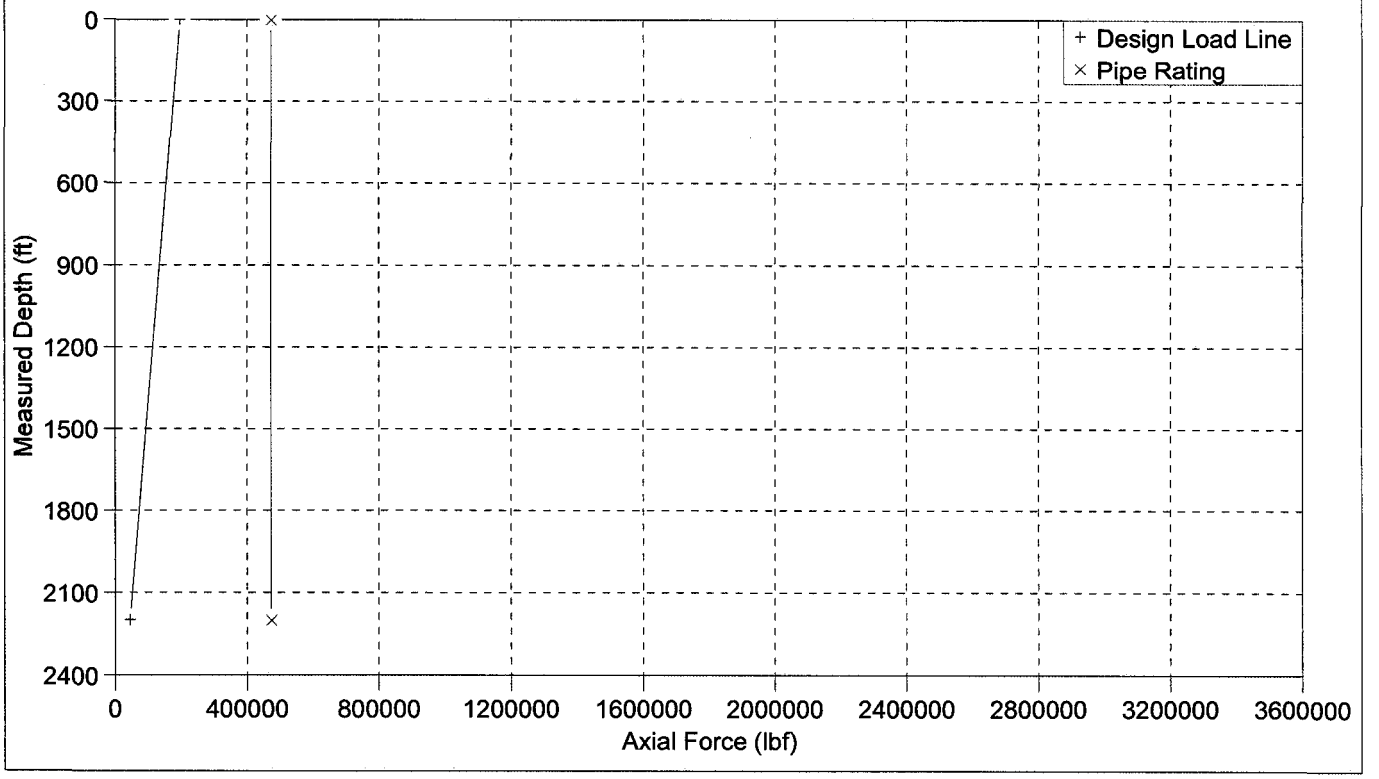
BURST DESIGN (11 3/4" Surface Casing)



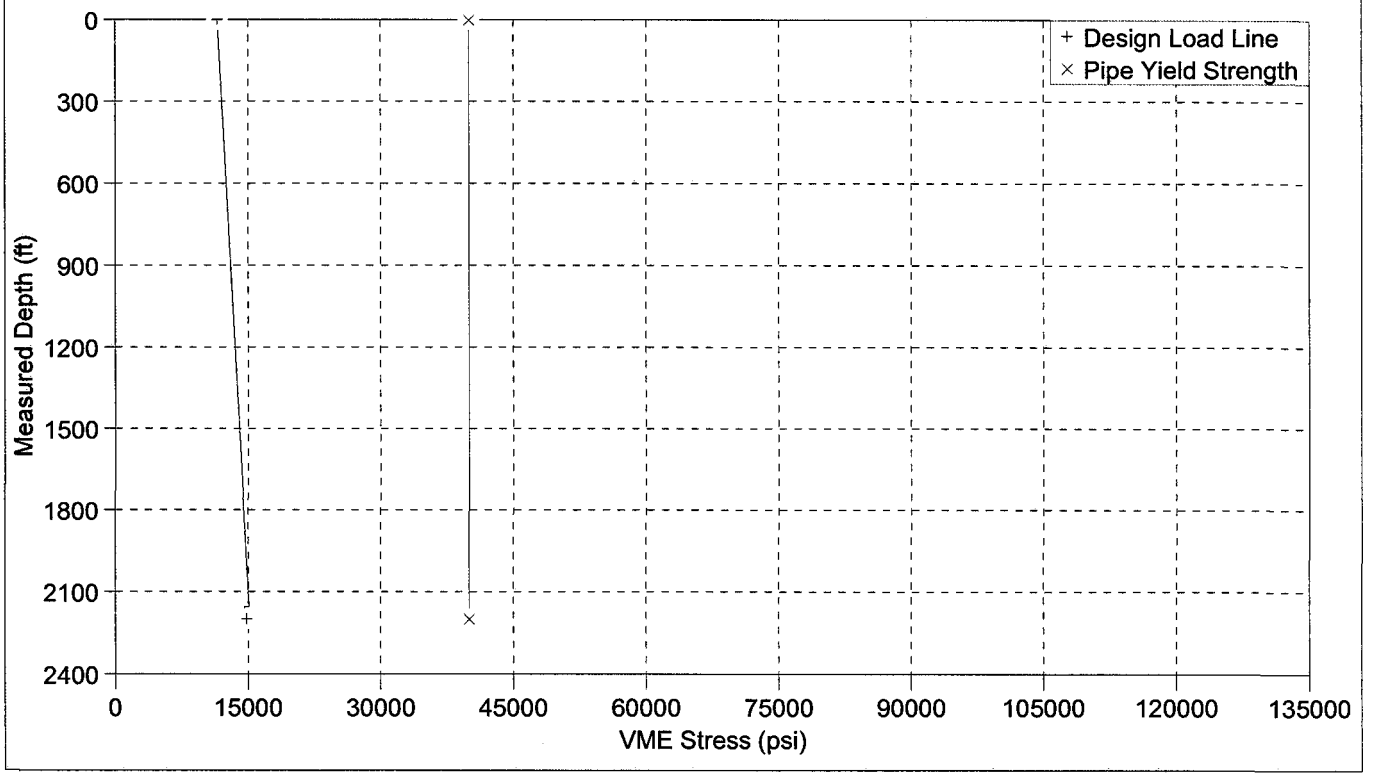
COLLAPSE DESIGN (11 3/4" Surface Casing)



AXIAL DESIGN (11 3/4" Surface Casing)



TRIAXIAL DESIGN (11 3/4" Surface Casing)



WELL SUMMARY

	String	OD/Weight/Grade	Connection	MD Interval (ft)	Drift Dia. (in)	Minimum Safety Factor (Abs)				Design Cost ($)
						Burst	Collapse	Axial	Triaxial	
1	Surface Casing	11 3/4", 42.000 ppf, H-40	STC, H-40	0.0-2200.0	11.000 A	13.34	1.36	2.80 J	3.31	36,185
2										Total = 36,185
3										
4										Total = 36,185
5	J Conn Jump Out									
6	A Alternate Drift									

STRING SUMMARY

	String	OD/Weight/Grade	Connection	MD Interval (ft)	Drift Dia. (in)	Minimum Safety Factor (Abs)				Design Cost ($)
						Burst	Collapse	Axial	Triaxial	
1	Surface Casing	11 3/4", 42.000 ppf, H-40	STC, H-40	0.0-2200.0	11.000 A	13.34	1.36	2.80 J	3.31	36,185
2										Total = 36,185
3										
4	J Conn Jump Out									
5	A Alternate Drift									

GENERAL DATA

Description:	Revised Design
Well Options, Deviated:	Yes
Well Options, Offshore:	No
Well TD (MD):	7250.0 ft
Reference Point:	MGL
Air Gap:	0.0 ft
Origin N:	0.0 ft
Origin E:	0.0 ft
Azimuth:	0.00 °

Comments:

Surface casing run to satisfy Utah DOG&M

CASING AND TUBING SCHEME

	OD (in)	Name	Type	Hole Size (in)	Measured Depths (ft)			Mud at Shoe (ppg)
					Hanger	Shoe	TOC	
1	11 3/4"	Surface	Casing	14.750	0.0	2200.0	0.0	8.40

BURST LOADS DATA (11 3/4" Surface Casing)

Drilling Load:	**Surface Protection (BOP)**
Fracture at Shoe:	1097.0 psi
Fracture Margin of Error:	0.00 ppg
Gas Gradient:	0.1000 psi/ft
Assigned External Pressure:	Fluid Gradients (w/ Pore Pressure)
Drilling Load:	**Drill Ahead (Burst)**
Hanger Depth, MD:	0.0 ft
TOC, MD:	0.0 ft
Shoe Depth, MD:	2200.0 ft
MW next hole section:	8.40 ppg
ECD:	0.30 ppg
Assigned External Pressure:	Fluid Gradients (w/ Pore Pressure)
External Pressure:	**Fluid Gradients (w/ Pore Pressure)**
TOC, MD:	0.0 ft
Prior Shoe, MD:	0.0 ft
Mud Weight Above TOC:	8.40 ppg
Fluid Gradient Below TOC:	8.33 ppg
Pore Pressure In Open Hole:	No

COLLAPSE LOADS DATA (11 3/4" Surface Casing)

Drilling Load:	**Full/Partial Evacuation**
Mud Weight:	2.00 ppg
Mud Level, MD:	0.0 ft
Assigned External Pressure:	Fluid Gradients (w/ Pore Pressure)
Drilling Load:	**Cementing**
Mud Weight at Shoe:	8.40 ppg
TOC, MD:	0.0 ft
Lead Slurry Density:	14.20 ppg
Displacement Fluid Density:	8.33 ppg
Float Collar Depth, MD:	2155.0 ft
Assigned External Pressure:	Fluid Gradients (w/ Pore Pressure)
Drilling Load:	**Drill Ahead (Collapse)**
Hanger Depth, MD:	0.0 ft
TOC, MD:	0.0 ft
Shoe Depth, MD:	2200.0 ft
MW next hole section:	3.00 ppg
ECD:	0.30 ppg
Assigned External Pressure:	Fluid Gradients (w/ Pore Pressure)
External Pressure:	**Fluid Gradients (w/ Pore Pressure)**
TOC, MD:	0.0 ft
Prior Shoe, MD:	0.0 ft
Fluid Gradient Above TOC:	8.40 ppg
Fluid Gradient Below TOC:	8.40 ppg
Pore Pressure In Open Hole Below TOC:	No

AXIAL LOADS DATA (11 3/4" Surface Casing)

Running in Hole - Avg. Speed:	0.4 ft/s
Overpull Force:	25000 lbf
Service Loads:	No

STRING SECTIONS (11 3/4" Surface Casing)

	Top, MD (ft)	Base, MD (ft)	OD (in)	Weight (ppf)	Grade	Cost ($) 36,185
1	0.0	2200.0	11 3/4"	42.000	H-40	36,185

MINIMUM SAFETY FACTORS (11 3/4" Surface Casing)

	Depth (MD) (ft)	OD/Weight/Grade	Connection	Minimum Safety Factor (Abs)			
				Burst	Collapse	Axial	Triaxial
1	0	11 3/4", 42.000 ppf, H-40	STC, H-40	13.34 B4	+ 100.00 C17	2.80 A4 J	4.33 A4
2	443			50.67 B4	6.76 C17	3.32 A4 J	4.07 A4
3	556			+ 100.00 B13	5.38 C17	3.48 A4 J	4.01 A4
4	2155			46.61 B13	1.39 C1	11.41 A4 J	3.31 C1
5	2155			46.61 B13	1.39 C1	11.41 A4 J	3.43 C1
6	2199			45.66 B13	1.36 C1	12.15 A4 J	3.37 C1
7	2200			45.65 B13	1.36 C1	12.16 A4 J	3.36 C1
8							
9	J	Connection Jump Out					
10	B4	Surface Protection					
11	B13	Drill Ahead(Burst)					
12	C1	Full/Partial Evacuation					
13	C17	Drill Ahead(Collapse)					
14	A4	Overpull Force					

From: <John_Egelston@xtoenergy.com>
To: <hmacdonald@utah.gov>
Date: 10/25/2007 9:36 AM
Subject: COP Surface Casing Design
Attachments: COP 16-8-7-21 -- Surface Casing Design Analysis.pdf

Helen,

Here is our surface casing design work-up. On page 3 it shows the load line for 8.33 gradient on the back side with 0.1 psi/foot gas gradient on the inside. The load that is plotted on that chart is the most severe loading condition for that mode of failure (collapse) as shown from the other loading scenarios detailed on page 6 (i.e. drilling with air/foam, full/partial evacuation, cementing, and fluid gradients with pore pressure). Page 7 shows minimum safety factors for the string sections. The 1.36 that is assessed at the surface casing shoe is pulled from the loading condition caused by C1, Full/Partial Evacuation. This is the first load back on page 6 with a column of 2.0 ppg mud (0.104 psi/ft equivalent) inside the casing and pore pressure gradient on the backside. The pore pressure gradient that I specified is not called out in the report (8.33 ppg was specified), but it can be backed out of the collapse load graph previously mentioned on page 3.

This evaluation will apply to both offset wells as they have the same pore pressure gradient and setting depth.

Please let me know if this helps.

(See attached file: COP 16-8-7-21 -- Surface Casing Design Analysis.pdf)

Take care,

John Egelston
Drilling Engineer
XTO Energy
Ofc: 505.333.3163
Fax: 505.566.7927
Mob: 505.330.6902

JON M. HUNTSMAN, JR.
Governor

GARY R. HERBERT
Lieutenant Governor

State of Utah
DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil Gas and Mining

JOHN R. BAZA
Division Director

November 1, 2007

XTO Energy, Inc.
382 Road 3100
Aztec, NM 87401

Re: COP 16-8-17-22 Well, 1673' FNL, 1707' FWL, SE NW, Sec. 17, T. 16 South, R. 8 East, Emery County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann§40-6-1 *et seq.*, Utah Administrative Code R649-3-1 *et seq.*, and the attached Conditions of Approval, approval to drill the referenced well is granted.

Appropriate information has been submitted to DOGM and administrative approval of the requested exception location is hereby granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-015-30717.

Sincerely,

Gil Hunt
Associate Director

pab
Enclosures

cc: Emery County Assessor

1594 West North Temple, Suite 1210, PO Box 145801, Salt Lake City, UT 84114-5801
telephone (801) 538-5340 • facsimile (801) 359-3940 • TTY (801) 538-7458 • www.ogm.utah.gov

UTAH DNR OIL, GAS & MINING

Operator: XTO Energy, Inc.

Well Name & Number COP 16-8-17-22

API Number: 43-015-30717

Lease: FEE

Location: SE NW **Sec.** 17 **T.** 16 South **R.** 8 East

Conditions of Approval

1. **General**

   Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

2. **Notification Requirements**

   The operator is required to notify the Division of Oil, Gas and Mining of the following action during drilling of this well:

   - 24 hours prior to cementing or testing casing – contact Dan Jarvis
   - 24 hours prior to testing blowout prevention equipment – contact Dan Jarvis
   - 24 hours prior to spudding the well – contact Carol Daniels
   - Within 24 hours of any emergency changes made to the approved drilling program – contact Dustin Doucet
   - Prior to commencing operations to plug and abandon the well – contact Dan Jarvis

   The operator is required to get approval from the Division of Oil, Gas and Mining before performing any of the following actions during the drilling of this well:

   - Plugging and abandonment or significant plug back of this well – contact Dustin Doucet
   - Any changes to the approved drilling plan – contact Dustin Doucet

   The following are Division of Oil, Gas and Mining contacts and their telephone numbers (please leave a voice mail message if the person is not available to take the call):

   - Dan Jarvis at: (801) 538-5338 office (801) 942-0873 home
   - Carol Daniels at: (801) 538-5284 office
   - Dustin Doucet at: (801) 538-5281 office (801) 733-0983 home

3. **Reporting Requirements**

   All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

4. Compliance with the Conditions of Approval/Application for Permit to Drill outlined in the Statement of Basis. (Copy Attached)

5. The Application for Permit to Drill has been forwarded to the Resource Development Coordinating Committee for review of this action. You will be required to comply with any applicable recommendations resulting from this review.

6. This proposed well is located in an area for which drilling units (well spacing patterns) have not been established through an order of the Board of Oil, Gas and Mining (the "Board"). In order to avoid the possibility of waste or injury to correlative rights, the operator is requested, once the well has been drilled, completed, and has produced, to analyze geological and engineering data generated therefrom, as well as any similar data from surrounding areas if available. As soon as is practicable after completion of its analysis, and if the analysis suggests an area larger than the quarter-quarter section upon which the well is located is being drained, the operator is requested to seek an appropriate order from the Board establishing drilling and spacing units in conformance with such analysis by filing a Request for Agency Action with the Board.

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

5. LEASE DESIGNATION AND SERIAL NUMBER:	FEE
6. IF INDIAN, ALLOTTEE OR TRIBE NAME:	NA
7. UNIT or CA AGREEMENT NAME:	NA
1. TYPE OF WELL: OIL WELL ☐ GAS WELL ☑ OTHER	8. WELL NAME and NUMBER: COP 16-8-17-22
2. NAME OF OPERATOR: XTO ENERGY INC.	9. API NUMBER: 4301530717
3. ADDRESS OF OPERATOR: 382 CR 3100 CITY AZTEC STATE NM ZIP 87410 / PHONE NUMBER: (505) 333-3100	10. FIELD AND POOL, OR WILDCAT: FERRON SANDSTONE
4. LOCATION OF WELL: FOOTAGES AT SURFACE: 1673' FNL & 1701' FWL	COUNTY: EMERY
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SENW 17 16S 8E S	STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
☑ NOTICE OF INTENT (Submit in Duplicate)	☐ ACIDIZE	☐ DEEPEN	☐ REPERFORATE CURRENT FORMATION
Approximate date work will start: 5/31/2008	☐ ALTER CASING	☐ FRACTURE TREAT	☐ SIDETRACK TO REPAIR WELL
	☐ CASING REPAIR	☐ NEW CONSTRUCTION	☐ TEMPORARILY ABANDON
	☐ CHANGE TO PREVIOUS PLANS	☐ OPERATOR CHANGE	☐ TUBING REPAIR
	☐ CHANGE TUBING	☐ PLUG AND ABANDON	☐ VENT OR FLARE
☐ SUBSEQUENT REPORT (Submit Original Form Only)	☐ CHANGE WELL NAME	☐ PLUG BACK	☐ WATER DISPOSAL
Date of work completion:	☐ CHANGE WELL STATUS	☐ PRODUCTION (START/RESUME)	☐ WATER SHUT-OFF
	☐ COMMINGLE PRODUCING FORMATIONS	☐ RECLAMATION OF WELL SITE	☑ OTHER: WELLBORE CHANGES
	☐ CONVERT WELL TYPE	☐ RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

After further review of subsurface conditions and changes in projected formation tops (geological reinterpretation), XTO is requesting a deeper setting depth for the surface casing (2100') , two changes in the surface casing OD from 11-3/4" to 10-3/4" and in the production hole size from 8-3/4" to 9-7/8". In addition, XTO is changing the OD of the "contingency" string from 8-5/8" OD to 7-5/8" OD.

All these changes are reflected in the attached documentation (including the new projected depths for all of the relevant formations).

COPY SENT TO OPERATOR
Date: 4.3.2008
Initials: KS

NAME (PLEASE PRINT) HOLLY C. PERKINS TITLE REGULATORY COMPLIANCE TECH

SIGNATURE Holly C. Perkins DATE 3/26/2008

(This space for State use only)

APPROVED BY THE STATE OF UTAH DIVISION OF OIL, GAS, AND MINING
DATE: 4/1/08
BY:

(See Instructions on Reverse Side)

(5/2000)

RECEIVED
MAR 31 2008
DIV. OF OIL, GAS & MINING

XTO Energy, Inc.

COP 16-8-17-22
Drilling Data for Sundry
March 25, 2008

Surface Location: 1673' FNL & 1707' FWL, Sec. 17, T16S, R8E
Proposed TD: 7130' Objective: Ferron Coal
Approximate Elevation: 9297' KB Elevation: 9309'

1. Mud Program:

Interval	0'-2100'	2100'-7130'
Hole Size	14.75"	9.875"
Mud Type	Fresh Water/Spud Mud	Air/LSND/Gel Chemical
Weight	N/A	8.4-8.6
Viscosity	N/A	45-60
Water Loss	N/A	8-10

a. Drill surface with FreshWater/Spud Mud. If aeration becomes necessary, nipple up 20" rotating head.

b. Air drill to TD using produced water for mist fluid unless excessive water flow is encountered then switch to water based mud. If mud is required, use fibrous materials as needed to control seepage and lost circulation. Pump high viscosity sweeps as needed for hole cleaning. Raise viscosity at TD for logging. Reduce viscosity after logging for cementing.

c. The blooie line will be approximately 100' in length and will extend in a straight line from below the rotating head as indicated in the BOP schematic. An automatic spark-type igniter will be fixed to the end of the blooie line and set to provide a continuous spark to ignite and burn any produced hydrocarbons and/or gasses.

d. If necessary, de-dusting will be accomplished with a small pump, waterline, and spray nipple positioned near the end of the blooie line to provide a continuous spray of water.

e. Sufficient mud materials will be stored on location to maintain well control and combat lost circulation problems that might reasonably be expected.

f. The BOP system will be consistent with API RP53 and Onshore Oil & Gas Order No. 2. Pressure tests of the surface casing and all BOP equipment subject to pressure will be conducted before drilling the casing shoe. Blowout preventer controls will be installed prior to drilling the surface casing shoe and will remain in use until the well is completed or abandoned. Ram preventers shall be

inspected and operated daily. Annular preventers shall be inspected an operated weekly to ensure good mechanical working order. The inspections and tests shall be recorded in the drilling log and daily drilling report. See the attached BOP and choke manifold schematic.

2. Casing Program:

a. Surface Casing set @ 2100' in a 14.75" hole.

10.75, 40.5 #/ft, J-55, ST&C, New, (10.050" ID, 9.894" Drift)					
Collapse Press	Burst Press	Joint Strength	SF Collapse	SF Burst	SF Tension
1580	3130	420	1.74	3.440	4.94

b. Production Casing set @ 7130' in an 9.875" hole.

5.5", 15.5 #/ft, J-55, ST&C, New, (4.950" I.D., 4.825" Drift)					
Collapse Press	Burst Press	Joint Strength	SF Collapse	SF Burst	SF Tension
4040	4810	202	1.270	1.510	1.830

c. Contingency String Casing set @ 4600' in a 9.875" hole. (9.2 ppg mud)

7.625", 26.4#/ft, N-80, LT&C, New, (6.875" I.D., 6.750" Drift)					
Collapse Press	Burst Press	Joint Strength	SF Collapse	SF Burst	SF Tension
3400	6020	490	1.71	3.02	4.03

Safety Factors based on vertical wellbore conditions with hydrostatic of fresh water with no backup used to calculate burst and collapse. Tension based on hanging weight in air.

If surface is set through mine workings, a DV/ECP tool will be used and the shoe will be tacked approximately six joints (270') below the mine floor and the second stage will be above the roof of the mine and cemented to surface.

3. Well Heads:

a. Casing Head: Larkin Fig 92 (or equivalent), 10-3/4" nominal, 3,000 psig WP (6,000 psig test) with 10-3/4" 8rnd thread on bottom and 11" x 3m Flange. NU BOP and choke manifold (see attached schematic). Stack to consist of drilling spool with choke and kill lines, double rams with pipe rams on top, blind rams on bottom. Use cold water and test BOP to 250 psi low and 1,000 psi high. Record all tests on the IADC report. Inspect accumulator and closing unit to ensure that pre-charge pressures and oil levels are within API Specifications and report same on IADC report.

b. Tubing Head: Larkin Fig 612 (or equivalent), 5,000 psig WP (5,000 psig test), 5 ½" SOW (or API 8 rnd female thread) on bottom, 7 $^{1}/_{16}$" 5,000 psig flange on top with two 3" LPOs.

4. Cement Program:

a. Surface:

i. Lead Cement: 385 sx of CBM Light Weight Cement with 10 pps Gilsonite and ¼ pps celloflake mixed at 10.5 pppg and 4.15 ft^3/sx.

ii. Tail Cement: 500 sx of Type V cement (or equivalent) containing 1% CaCl, ¼ pps Flocele, and 10% Cal Seal mixed at 14.2 ppg and 1.61 ft^3/sx.

iii. Slurry Volume is 2403 ft^3, 200% excess of calculated annular volume to 2100'.

b. Production:

i. The production casing will be cemented using a DV/ECP tool. On the first stage, there will be 2 (lead and tail) cement slurries. The lead cement (filler grade) volume will be calculated based on a maximum achievable top assuming formation pressure of 1,000 psi at the shoe. The tail cement will be calculated from TD to 300' above the Upper Ferron Sandstone as indicated on the formation tops table. If fresh water is found in the Emery SS the DV/ECP will be placed in the lower Bluegate Shale at ±4,750'.

ii. Stage 1:

1. Lead Cement: 25 sx of CBM Light Weight Cement with 10 pps Gilsonite and ¼ pps celloflake mixed at 10.5 ppg and 4.15 ft^3/sk.

2. Tail Cement: 365 sx of CBM Light Weight Cement with 10 pps Gilsonite and ¼ pps celloflake mixed at 13.5 ppg and 1.81 ft^3/sk.

3. Slurry volume is 758 ft^3, 40% excess of calculated annular volume to 1,000 psi hydrostatic over formation pressure.

iii. Stage 2:

1. Lead Cement: 375 sx of CBM Light Weight Cement with 10 pps Gilsonite and ¼ pps celloflake mixed at 10.5 ppg and 4.15 ft^3/sk

c. Contingency String:

i. In the event the contingency string is set, the cement will be a one stage job (2 slurries). The Lead cement will consist of CBM Light Weight Cement with 10 pps Gilsonite and ¼ pps celloflake mixed at 10.5 ppg and 4.15 ft^3/sk, and the tail slurry consisting of CBM Light Weight Cement with 10 pps Gilsonite and ¼ pps celloflake mixed at 13.5 ppg and 1.81 ft^3/sk yield..

ii. Volumes will be determined by setting depth and reported to the proper reporting agency prior to setting the string.

5. Logging Program

a. Mud logger: The mud logger will come on after surface pipe is set and will remain until TD. The mud will be logged in 10' intervals.

b. Run Array Induction (if wet), compensated neutron, density, GR, caliper, SP (if wet), and Pe from TD to the bottom of the surface casing.

6. Formation Tops:

Formation	Well Depth
Price River	45
Castlegate	585
Blackhawk	785
Hiawatha Seam	1590
Star Point SS	1600
Upper Bluegate Shale	2040
Emery SS	2975
Lower Bluegate Shale	4235
Top of Upper Ferron SS	6150
Top of Lower Ferron SS	6315
Tununk Shale	6510
Total Depth	7130

a. No known oil zones will be penetrated.

b. Gas bearing sandstones and coals will be penetrated from 6150' to potentially 7130'.

c. The Emery SS may contain fresh water. The gas bearing sandstones and coals may contain in-situ water.

d. The Hiawatha seam may be penetrated, potentially in a previously mined area.

The owner of record for the mine is CO-OP Mining Company, 3212 South State Street, Salt Lake City, UT 84155-3825. The mine will be protected by setting a 10 ¾" surface casing through mine and cementing it as described above.

e. Any prospectively valuable minerals and all fresh water zones encountered during drill will be recorded, cased, and cemented. If possible, water flow rates will be measured and samples will be taken and analyzed with the results being submitted to the appropriate agency.

f. Maximum anticipated bottomhole pressure is anticipated to be less than 1,500 psi.

g. No abnormal pressure, abnormal temperature, H2S, or other hazardous conditions are known to exist.

7. Company Personnel:

Name	Title	Office Phone	Mobile Phone
Brent H. Martin	Drilling Manager	505.333.3110	505-320-4074
John Egelston	Drilling Engineer	505.333.3163	505.330.6902
Bobby Jackson	Drilling Superintendent	505.333.3224	505.486.4706
Joshua Stark	Project Geologist	817.885.2240	817.565.7158
Leonard West	Reservoir Engineer	817.885.2800	

Well name:	**2007-09 XTO COP 16-8-17-22rev.**
Operator:	**XTO Energy, Inc.**
String type:	Surface
Project ID:	43-015-30717
Location:	Emery County

Design parameters:

Collapse

Mud weight: 8.330 ppg
Design is based on evacuated pipe.

Burst

Max anticipated surface pressure: 1,848 psi
Internal gradient: 0.120 psi/ft
Calculated BHP 2,100 psi

No backup mud specified.

Minimum design factors:

Collapse:

Design factor 1.125

Burst:

Design factor 1.00

Tension:

8 Round STC: 1.80 (J)
8 Round LTC: 1.80 (J)
Buttress: 1.60 (J)
Premium: 1.50 (J)
Body yield: 1.50 (B)

Tension is based on air weight.
Neutral point: 1,843 ft

Environment:

H2S considered? No
Surface temperature: 65 °F
Bottom hole temperature: 94 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 150 ft

Cement top: Surface

Non-directional string.

Re subsequent strings:

Next setting depth: 7,130 ft
Next mud weight: 8.600 ppg
Next setting BHP: 3,185 psi
Fracture mud wt: 19.250 ppg
Fracture depth: 2,100 ft
Injection pressure: 2,100 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft^3)
1	2100	10.75	40.50	J-55	ST&C	2100	2100	9.925	1156.9

Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	909	1580	1.739	2100	3130	1.49	85	420	4.94 J

Prepared by: Helen Sadik-Macdonald
Div of Oil,Gas & Minerals
Phone: 801-538-5357
FAX: 801-359-3940

Date: April 1,2008
Salt Lake City, Utah

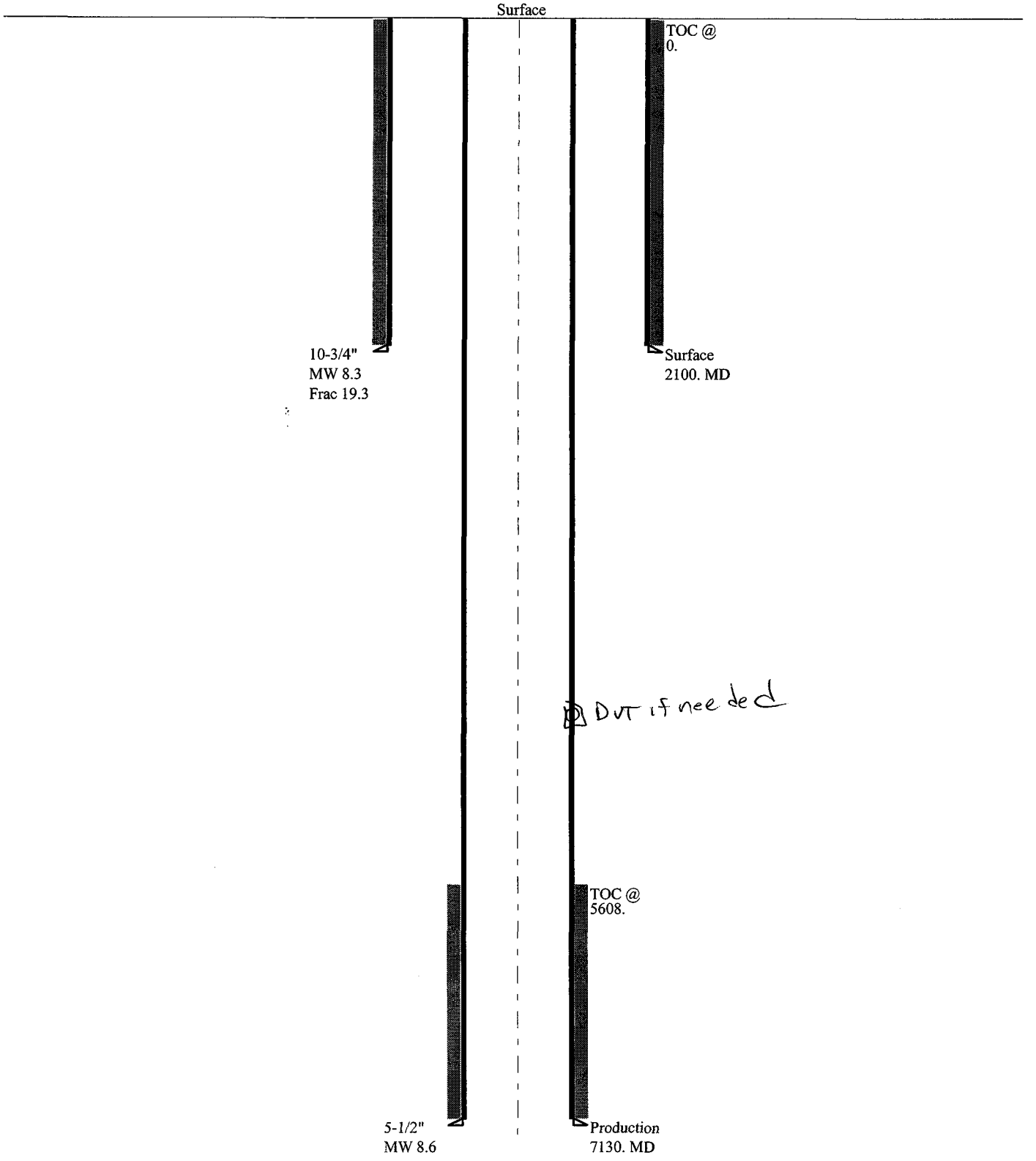
ENGINEERING STIPULATIONS:
Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Engineering responsibility for use of this design will be that of the purchaser.

2007-09 XTO COP 16-8-17-22rev.

Casing Schematic



STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

5. LEASE DESIGNATION AND SERIAL NUMBER:	FEE
6. IF INDIAN, ALLOTTEE OR TRIBE NAME:	N/A
7. UNIT or CA AGREEMENT NAME:	N/A
1. TYPE OF WELL: OIL WELL ☐ GAS WELL ☑ OTHER	8. WELL NAME and NUMBER: COP 16-8-17-22
2. NAME OF OPERATOR: XTO ENERGY INC.	9. API NUMBER: 4301530717
3. ADDRESS OF OPERATOR: 382 CR 3100 CITY AZTEC STATE NM ZIP 87410 PHONE NUMBER: (505) 333-3100	10. FIELD AND POOL, OR WILDCAT: FERRON SANDSTONE

4. LOCATION OF WELL

FOOTAGES AT SURFACE: 1673' FNL & 1707' FWL COUNTY: EMERY

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SENW 17 16S 8E STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
☑ NOTICE OF INTENT (Submit in Duplicate)	☐ ACIDIZE	☐ DEEPEN	☐ REPERFORATE CURRENT FORMATION
Approximate date work will start: 5/15/2008	☐ ALTER CASING	☐ FRACTURE TREAT	☐ SIDETRACK TO REPAIR WELL
	☐ CASING REPAIR	☐ NEW CONSTRUCTION	☐ TEMPORARILY ABANDON
	☐ CHANGE TO PREVIOUS PLANS	☐ OPERATOR CHANGE	☐ TUBING REPAIR
	☐ CHANGE TUBING	☐ PLUG AND ABANDON	☐ VENT OR FLARE
☐ SUBSEQUENT REPORT (Submit Original Form Only)	☐ CHANGE WELL NAME	☐ PLUG BACK	☐ WATER DISPOSAL
Date of work completion:	☐ CHANGE WELL STATUS	☐ PRODUCTION (START/RESUME)	☐ WATER SHUT-OFF
	☐ COMMINGLE PRODUCING FORMATIONS	☐ RECLAMATION OF WELL SITE	☑ OTHER: Enlarge Wellpad
	☐ CONVERT WELL TYPE	☐ RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

XTO Energy Inc. requests permission to enlarge the location of the above well in order to provide a safe working space for a larger rig.

See attached.

Approved by the
Utah Division of
Oil, Gas and Mining

Date: 04-29-08

By: [signature]

COPY SENT TO OPERATOR
Date: 5·1·2008
Initials: KS

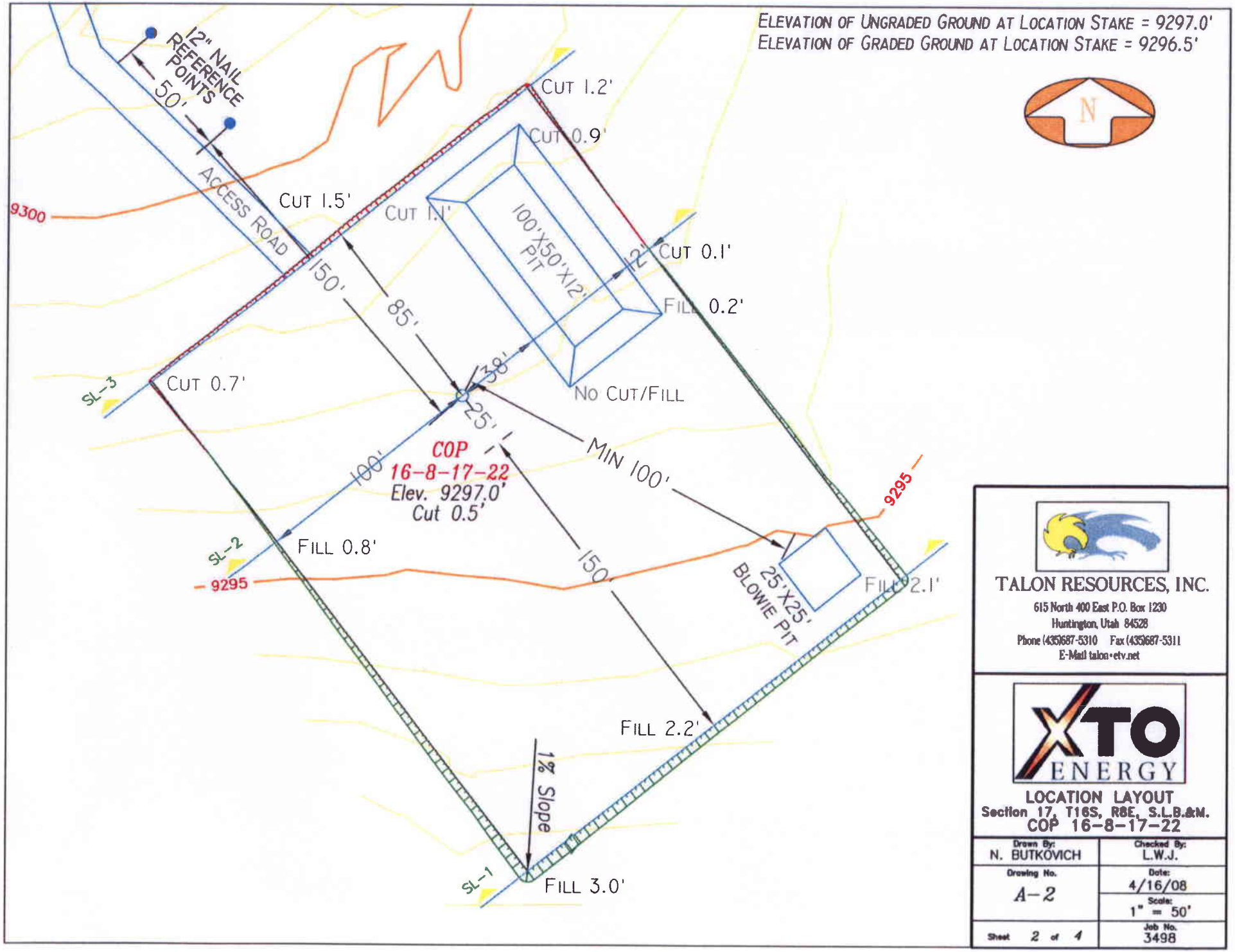
NAME (PLEASE PRINT) KELLY K. SMALL TITLE Regulatory Compliance Tech

SIGNATURE [signature] DATE 4/25/2008

(This space for State use only)

RECEIVED
APR 29 2008
DIV. OF OIL, GAS & MINING

(5/2000) (See Instructions on Reverse Side)

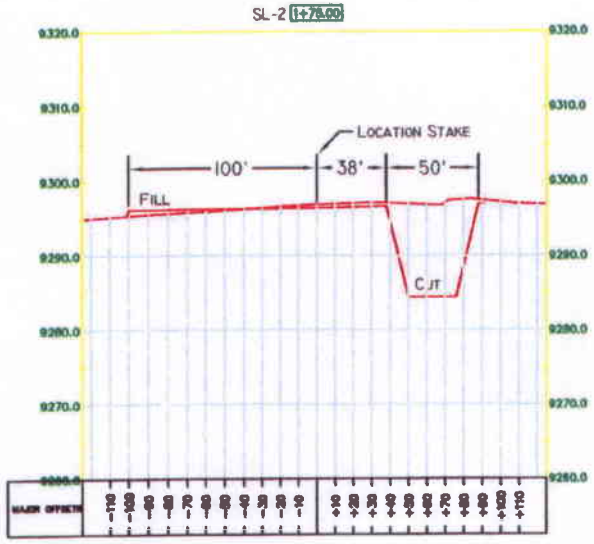


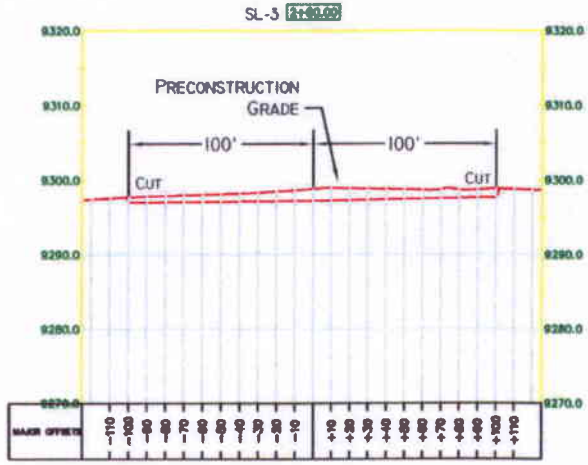
TALON RESOURCES, INC.
615 North 400 East P.O. Box 1230
Huntington, Utah 84528
Phone (435)687-5310 Fax (435)687-5311
E-Mail talon•etv.net

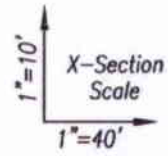
XTO ENERGY

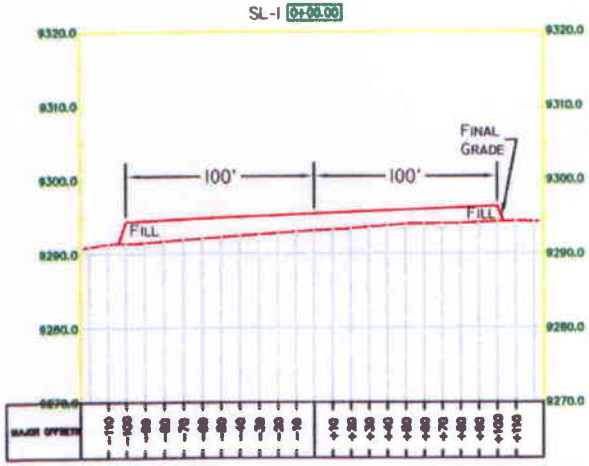
LOCATION LAYOUT
Section 17, T16S, R8E, S.L.B.&M.
COP 16-8-17-22

Drawn By: N. BUTKOVICH	Checked By: L.W.J.
Drawing No. A-2	Date: 4/16/08
	Scale: 1" = 50'
Sheet 2 of 4	Job No. 3498









SLOPE = 1 1/2 : 1
(EXCEPT PIT)
PIT SLOPE = 1 ; 1

APPROXIMATE YARDAGES

(6")TOPSOIL STRIPPING = 965 CU. YDS.
TOTAL CUT (INCLUDING PIT) = 1,970 CU. YDS.
TOTAL FILL = 1,500 CU. YDS.

TALON RESOURCES, INC.
615 North 400 East P.O. Box 1230
Huntington, Utah 84528
Phone (435)687-5310 Fax (435)687-5311
E-Mail talon-etv.net

XTO ENERGY

TYPICAL CROSS SECTION
Section 17, T16S, R8E, S.L.B.&M.
COP 16-8-17-22

Drawn By: N. BUTKOVICH	Checked By: L.W.J.
Drawing No. C-1	Date: 4/16/08
	Scale: 1" = 100'
Sheet 3 of 4	Job No. 3498

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

Name of Company: **XTO ENERGY INC**

Well Name: **COP 16-8-17-22**

Api No: **43-015-30717** Lease Type: **FEE**

Section **17** Township **16S** Range **08E** County **EMERY**

Drilling Contractor **PETE MARTIN DRLG** RIG # **RATHOLE**

SPUDDED:

Date **06/07/08**

Time **NOON**

How **DRY**

Drilling will Commence:

Reported by **DELTON KING**

Telephone # **(281) 436-6324**

Date 06/09//08 Signed CHD

FORM 6

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

ENTITY ACTION FORM

Operator: XTO ENERGY INC.

Operator Account Number: N 2615

Address: 382 CR 3100

city AZTEC

state NM zip 87410

Phone Number: (505) 333-3100

Well 1

API Number	Well Name		QQ	Sec	Twp	Rng	County
4301530717	COP 16-8-17-22		SENW	17	16S	8E	EMERY
Action Code	**Current Entity Number**	**New Entity Number**	**Spud Date**			**Entity Assignment Effective Date**	
A	99999	16928	6/11/2008			6/19/08	
Comments: FR SD							

Well 2

API Number	Well Name		QQ	Sec	Twp	Rng	County
Action Code	**Current Entity Number**	**New Entity Number**	**Spud Date**			**Entity Assignment Effective Date**	
Comments:							

Well 3

API Number	Well Name		QQ	Sec	Twp	Rng	County
Action Code	**Current Entity Number**	**New Entity Number**	**Spud Date**			**Entity Assignment Effective Date**	
Comments:							

ACTION CODES:

- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (Explain in 'comments' section)

WANETT MCCAULEY
Name (Please Print)

Wanett McCauley
Signature

FILE CLERK
Title

6/13/2008
Date

RECEIVED
JUN 16 2008
DIV. OF OIL, GAS & MINING

(5/2000)

FORM 9

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

5. LEASE DESIGNATION AND SERIAL NUMBER: FEE

SUNDRY NOTICES AND REPORTS ON WELLS

6. IF INDIAN, ALLOTTEE OR TRIBE NAME: N/A

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

7. UNIT or CA AGREEMENT NAME: N/A

1. TYPE OF WELL: OIL WELL ☐ GAS WELL ☑ OTHER _____

8. WELL NAME and NUMBER: COP 16-8-17-22

2. NAME OF OPERATOR: XTO ENERGY INC.

9. API NUMBER: 4301530717

3. ADDRESS OF OPERATOR: 382 CR 3100 CITY AZTEC STATE NM ZIP 87410

PHONE NUMBER: (505) 333-3100

10. FIELD AND POOL, OR WILDCAT: FERRON SANDSTONE

4. LOCATION OF WELL

FOOTAGES AT SURFACE: 1673' FNL & 1707' FWL

COUNTY: EMERY

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SENW 17 16S 8E S

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
☐ NOTICE OF INTENT (Submit in Duplicate)	☐ ACIDIZE	☐ DEEPEN	☐ REPERFORATE CURRENT FORMATION
Approximate date work will start: _____	☐ ALTER CASING	☐ FRACTURE TREAT	☐ SIDETRACK TO REPAIR WELL
	☐ CASING REPAIR	☐ NEW CONSTRUCTION	☐ TEMPORARILY ABANDON
	☐ CHANGE TO PREVIOUS PLANS	☐ OPERATOR CHANGE	☐ TUBING REPAIR
	☐ CHANGE TUBING	☐ PLUG AND ABANDON	☐ VENT OR FLARE
☑ SUBSEQUENT REPORT (Submit Original Form Only)	☐ CHANGE WELL NAME	☐ PLUG BACK	☐ WATER DISPOSAL
	☐ CHANGE WELL STATUS	☐ PRODUCTION (START/RESUME)	☐ WATER SHUT-OFF
Date of work completion: 6/11/2008	☐ COMMINGLE PRODUCING FORMATIONS	☐ RECLAMATION OF WELL SITE	☑ OTHER: SPUD
	☐ CONVERT WELL TYPE	☐ RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

XTO Energy Inc. spudded 26" conductor hole @ 13:30 hrs, 6/11/2008 & drilled to 40'. Set 20" conductor csg @ 40' & cemented w/3-1/2 yds Redimix cement.

Drilling ahead. . . .

NAME (PLEASE PRINT) WANETT MCCAULEY TITLE FILE CLERK

SIGNATURE Wanett McCauley DATE 6/16/2008

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RECEIVED
JUN 19 2008
DIV. OF OIL, GAS & MINING

(5/2000) (See Instructions on Reverse Side)

FORM 9

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

5. LEASE DESIGNATION AND SERIAL NUMBER: FEE

SUNDRY NOTICES AND REPORTS ON WELLS

6. IF INDIAN, ALLOTTEE OR TRIBE NAME: N/A

7. UNIT or CA AGREEMENT NAME: N/A

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL: OIL WELL ☐ GAS WELL ☑ OTHER

8. WELL NAME and NUMBER: COP 16-8-17-22

2. NAME OF OPERATOR: XTO ENERGY INC.

9. API NUMBER: 4301530717

3. ADDRESS OF OPERATOR: 382 CR 3100 CITY AZTEC STATE NM ZIP 87410

PHONE NUMBER: (505) 333-3100

10. FIELD AND POOL, OR WILDCAT: FERRON SANDSTONE

4. LOCATION OF WELL

FOOTAGES AT SURFACE: 1673' FNL & 1707' FWL

COUNTY: EMERY

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SENW 17 16S 8E S

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
☐ NOTICE OF INTENT (Submit in Duplicate)	☐ ACIDIZE	☐ DEEPEN	☐ REPERFORATE CURRENT FORMATION
Approximate date work will start:	☐ ALTER CASING	☐ FRACTURE TREAT	☐ SIDETRACK TO REPAIR WELL
	☐ CASING REPAIR	☐ NEW CONSTRUCTION	☐ TEMPORARILY ABANDON
	☐ CHANGE TO PREVIOUS PLANS	☐ OPERATOR CHANGE	☐ TUBING REPAIR
	☐ CHANGE TUBING	☐ PLUG AND ABANDON	☐ VENT OR FLARE
☑ SUBSEQUENT REPORT (Submit Original Form Only)	☐ CHANGE WELL NAME	☐ PLUG BACK	☐ WATER DISPOSAL
	☐ CHANGE WELL STATUS	☐ PRODUCTION (START/RESUME)	☐ WATER SHUT-OFF
Date of work completion: 6/30/2008	☐ COMMINGLE PRODUCING FORMATIONS	☐ RECLAMATION OF WELL SITE	☑ OTHER: JUNE '08 MONTHLY
	☐ CONVERT WELL TYPE	☐ RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Attached is XTO Energy's monthly report for the period of 06/01/2008 thru 06/30/2008.

RECEIVED
JUL 07 2008
DIV. OF OIL, GAS & MINING

NAME (PLEASE PRINT) JENNIFER M. HEMBRY TITLE FILE CLERK

SIGNATURE Jennifer M. Hembry DATE 7/1/2008

(This space for State use only)

(5/2000) (See Instructions on Reverse Side)

EMERY

COP 16-08-17-22

LOCATION : T16S, R8E, Sec 17, SENW
CONTRACTOR: Grey Wolf, 1
WI %:
AFE#: 712549
API#: 43015307170000
DATE FIRST RPT: 6/12/2008

DATE: 6/12/2008
OPERATION: Drlg conductor hole
DFS: 0.69 Footage Made: 21 Measured Depth: 21
MW: VISC:
WOB: RPM:
DMC: CMC: DWC: CWC:
TIME DIST: (5.50) Roaded the rig from Vernal to Gentry Mountain. (1.00) Rigging up. (3.50) Drilled 26" hole f/0 - 21' hit water at 20'.

DATE: 6/13/2008
OPERATION: Drlg rat hole
DFS: 1.69 Footage Made: 0 Measured Depth: 21
MW: VISC:
WOB: RPM:
DMC: CMC: DWC: CWC:
TIME DIST: (1.50) Travel to the site. (8.50) Drilling the rat hole.

DATE: 6/14/2008
OPERATION: Drill & set conductor
DFS: 2.69 Footage Made: 19 Measured Depth: 40
MW: VISC:
WOB: RPM:
DMC: CMC: DWC: CWC:
TIME DIST: (1.50) Travel to location. (7.25) Drilling 26" conductor hole to 40'. (0.25) Ran 1 joint of 20" conductor pipe landed @ 40'. (1.50) Cemented the conductor pipe W/ 3.5 yards of cement.

DATE: 6/15/2008
OPERATION: Drld mousehole
DFS: 3.69 Footage Made: 0 Measured Depth: 40
MW: VISC:
WOB: RPM:
DMC: CMC: DWC: CWC:
TIME DIST: (1.00) Travel to location. (2.50) Drilling Mouse hole for the Grey Wolf drilling rig.. (1.00) Rigging down. Demob..

DATE: 6/19/2008
OPERATION: MI/RU
DFS: 7.69 Footage Made: 0 Measured Depth: 40
MW: VISC:
WOB: RPM:
DMC: CMC: DWC: CWC:
TIME DIST: (24.00) MOVED PART OF SUB FROM GRAND JUNCTION TO BOTTOM OF HUNTINGTON CANYON.

DATE: 6/20/2008
OPERATION: MI/RU
DFS: 8.69 Footage Made: 0 Measured Depth: 40
MW: VISC:
WOB: RPM:
DMC: CMC: DWC: CWC:
TIME DIST: (24.00) CONTINUE TO HAUL RIG FROM GRAND JUNCTION TO STAGEOUT POINT A BOTTOM OF HUNTINGTON CANYON.

DATE: 6/21/2008
OPERATION: MI/RU
DFS: 9.69 Footage Made: 0 Measured Depth: 40
MW: VISC:
WOB: RPM:
DMC: CMC: DWC: CWC:
TIME DIST: (24.00) CONTINUE TO HAUL RIG FROM GRAND JUNCTION TO STAGEOUT POINT AT BOTTOM OF HUNTINGTON CANYON.

DATE: 6/22/2008
OPERATION: MI/RU
DFS: 10.69 Footage Made: 0 Measured Depth: 40
MW: VISC:
WOB: RPM:
DMC: CMC: DWC: CWC:
TIME DIST: (24.00) HAUL RIG TO LOCATION, RIG UP.

DATE: 6/23/2008
OPERATION: WAIT ON ORDERS (DRAWORKS NOT TRUE WITH DERRICK)
DFS: 11.69 Footage Made: 0 Measured Depth: 40
MW: VISC:
WOB: RPM:
DMC: CMC: DWC: CWC:
TIME DIST: (24.00) MI/RU. (24.00) WAIT ON 3RD PARTY TO ARRIVE & ASSESS DRAW TOOL PLACEMENT ON SUB.

DATE: 6/24/2008
OPERATION: ALIGN DRAWORKS, MI/RU
DFS: 12.69 Footage Made: 0 Measured Depth: 40
MW: VISC:
WOB: RPM:
DMC: CMC: DWC: CWC:
TIME DIST: (24.00) TRIPOINT ARRIVED AND BEGAN RE-ALIGNING DRAW TOOL TO SUB & DERRICK. SET BACK YARD AND HOUSES, PITS, & AIR PACKAGE. MUD PITS HAD NUMEROUS LEAKS, NEED REPAIR..

DATE: 6/25/2008
OPERATION: ALIGN DRAWORKS, WELD ON PITS,ELECTRICAL REPAIR
DFS: 13.69 Footage Made: 0 Measured Depth: 40
MW: VISC:
WOB: RPM:
DMC: CMC: DWC: CWC:
TIME DIST: (24.00) PATCH HOLES IN PITS, REPAIR ELECTRICAL LINES & MOTORS, REPLACE PLUGS, FINISH DRAW TOOL, WAIT ON FUEL LINES FOR ENTIRE RIG..

DATE: 6/26/2008
OPERATION: WELD ON PITS
DFS: 14.69 Footage Made: 0 Measured Depth: 40
MW: VISC:
WOB: RPM:
DMC: CMC: DWC: CWC:
TIME DIST: (24.00) REPAIR PITS, PATCH HOLES IN PITS, SWAP OUT PUSHER'S SHACK, ELECTRICAL REPAIR, RAISED DERRICK.

DATE: 6/27/2008
OPERATION: Rigging up and W/O parts to be delivered
DFS: 15.69 Footage Made: 0 Measured Depth: 40
MW: VISC:
WOB: RPM:
DMC: CMC: DWC: CWC:
TIME DIST: (24.00) Rig repair welding holes in the pits. Building stairs and handrails for the pits. I had welders plumbing in the gas buster..

DATE: 6/28/2008
OPERATION: Rigging up
DFS: 16.69 Footage Made: 0 Measured Depth: 40
MW: VISC:
WOB: RPM:
DMC: CMC: DWC: CWC:
TIME DIST: (21.50) Rigging up. Repairing holes in the pit, racking out/strapping/calipering BHA, Plumb in pipe spinners, kelly spinners, water lines. Finish rigging up the floor. (2.50) Cutting Drilling line.

DATE: 6/29/2008
OPERATION: Calibrating the EDR
DFS: 17.69 Footage Made: 145 Measured Depth: 201
MW: 8.3 VISC:
WOB: 12 RPM: 60
DMC: CMC: DWC: CWC:

TIME DIST: (3.00) P/U BHA Adj. depth to reflect 16' KB as opposed to GL. (0.50) Pre-spud meeting. (1.50) fix leaks on the standpipe,and dresser sleave.. (0.50) Drilling cement 45 - 48'. (2.00) Work on pumps. (0.50) Rig service. (1.00) Drilling 48 - 56. (6.50) Drilling 56 - 102' W 4 - 6K WOB 65 Motor RPM and 50 Rotary RPM. (2.00) Work on pumps, Kelly Spinner, and tongline. (2.00) Drilling 102 - 170 W/ 12K WOB 70 motor RPM and 60 Rotary RPM.. (1.50) W/O Kelly Spinner. (1.00) Drilling 170 - 201 W/ 15K WOB 70 motor RPM and 60 Rotary RPM. (1.50) Run a wireline survey @ 201/.2 deg.. (0.50) Calibrate the EDR for depth and pump strokes.

DATE:	6/30/2008				
OPERATION:	Drilling @ 532				
DFS:	18.69	**Footage Made:**	333	**Measured Depth:**	534
MW:	8.4	**VISC:**	32		
WOB:	18	**RPM:**	60		
DMC:		**CMC:**		**DWC:**	**CWC:**

TIME DIST: (11.50) Drilling W/15 - 20K WOB. 80 RPM/motor 60 RPM/Rotary. Drilled very rough to 350'. (0.50) Rig service. (5.50) Drilling 459 - 522. (1.00) Circulate and pump sweep for a survey. (1.00) Survey .49deg/. (2.50) Work tight pipe. (1.50) Circulate and pump a couple of sweeps. Checked W/ muddlogger and he had bentonite in the samples. We will begin mudding up and dropping the water loss. App. top of the bentonite 480'. (0.50) Drilling 522 - 532 W/ 15K/WOB.

FORM 9

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

5. LEASE DESIGNATION AND SERIAL NUMBER: FEE

SUNDRY NOTICES AND REPORTS ON WELLS

6. IF INDIAN, ALLOTTEE OR TRIBE NAME: N/A

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

7. UNIT or CA AGREEMENT NAME: N/A

1 TYPE OF WELL: OIL WELL ☐ GAS WELL ☑ OTHER

8. WELL NAME and NUMBER: COP 16-8-17-22

2. NAME OF OPERATOR: XTO ENERGY INC.

9. API NUMBER: 4301530717

3 ADDRESS OF OPERATOR: 382 CR 3100 CITY AZTEC STATE NM ZIP 87410

PHONE NUMBER: (505) 333-3100

10. FIELD AND POOL, OR WILDCAT: FERRON SANDSTONE

4 LOCATION OF WELL

FOOTAGES AT SURFACE: 905' FNL & 1942' FSL

COUNTY: EMERY

OTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SENW 17 16S 8E

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
☑ NOTICE OF INTENT (Submit in Duplicate)	☐ ACIDIZE	☐ DEEPEN	☐ REPERFORATE CURRENT FORMATION
Approximate date work will start:	☐ ALTER CASING	☐ FRACTURE TREAT	☐ SIDETRACK TO REPAIR WELL
	☐ CASING REPAIR	☐ NEW CONSTRUCTION	☐ TEMPORARILY ABANDON
	☐ CHANGE TO PREVIOUS PLANS	☐ OPERATOR CHANGE	☐ TUBING REPAIR
	☐ CHANGE TUBING	☑ PLUG AND ABANDON	☐ VENT OR FLARE
☐ SUBSEQUENT REPORT (Submit Original Form Only)	☐ CHANGE WELL NAME	☐ PLUG BACK	☐ WATER DISPOSAL
Date of work completion:	☐ CHANGE WELL STATUS	☐ PRODUCTION (START/RESUME)	☐ WATER SHUT-OFF
	☐ COMMINGLE PRODUCING FORMATIONS	☐ RECLAMATION OF WELL SITE	☐ OTHER:
	☐ CONVERT WELL TYPE	☐ RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

XTO Energy Inc. proposes to plug & abandon this well per the attached diagram & P&A plan.

COPY SENT TO OPERATOR
Date: 7·16·2008
Initials: KS

NAME (PLEASE PRINT) LORRI D. BINGHAM TITLE REGULATORY COMPLIANCE TECH

SIGNATURE [signature] DATE 7/14/2008

(This space for State use only)

APPROVED BY THE STATE OF UTAH DIVISION OF OIL, GAS AND MINING

DATE: 7/14/08

BY: [signature]

*Submit WCR immediately upon completion of work.

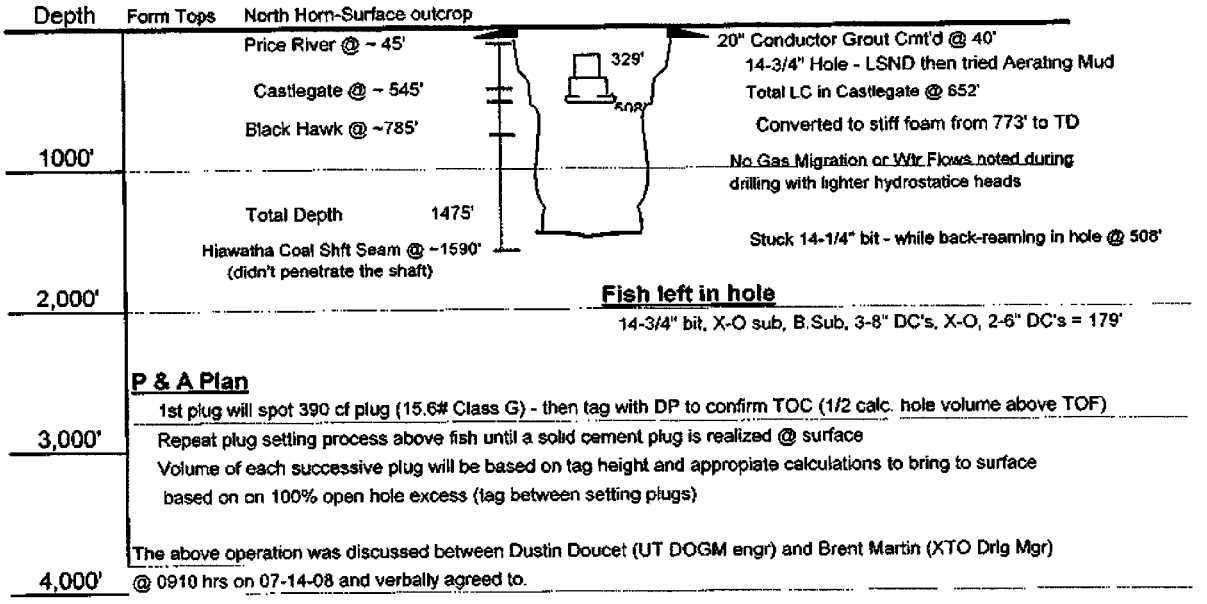
RECEIVED
JUL 14 2008
DIV. OF OIL, GAS & MINING

(5/2000) (See Instructions on Reverse Side)

PLUG AND ABANDONMENT PLAN DIAGRAM

XTO Energy - Grey Wolf Rig# 803
Sec 17, Twshp 16S, Rg 8E, Emery County, UT
COP 16-8-17-22, API # 43-015-30717
Spud: 6/28/08 (below conductor)
API No. 43-015-30717
Elevation: 9,297' GL

~500 bbls mud lost -Started Aerating
Eventually used Stiff Foam to mitigate same



P & A Plan

1st plug will spot 390 cf plug (15.6# Class G) - then tag with DP to confirm TOC (1/2 calc. hole volume above TOF)

Repeat plug setting process above fish until a solid cement plug is realized @ surface

Volume of each successive plug will be based on tag height and appropiate calculations to bring to surface based on on 100% open hole excess (tag between setting plugs)

The above operation was discussed between Dustin Doucet (UT DOGM engr) and Brent Martin (XTO Drlg Mgr) @ 0910 hrs on 07-14-08 and verbally agreed to.

RH

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

AMENDED REPORT ☐ (highlight changes) FORM 8

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. LEASE DESIGNATION AND SERIAL NUMBER: FEE
6. IF INDIAN, ALLOTTEE OR TRIBE NAME: N/A
7. UNIT or CA AGREEMENT NAME: N/A
8. WELL NAME and NUMBER: COP 16-8-17-22
9. API NUMBER: 4301530717

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☑ DRY ☐ OTHER

b. TYPE OF WORK: NEW WELL ☑ HORIZ. LATS. ☐ DEEP-EN ☐ RE-ENTRY ☐ DIFF. RESVR. ☐ OTHER

2. NAME OF OPERATOR: XTO Energy Inc.

3. ADDRESS OF OPERATOR: 382 CR 3100 CITY AZTEC STATE NM ZIP 87410
PHONE NUMBER: (505) 333-3100

10 FIELD AND POOL, OR WILDCAT: FERRON SANDSTONE

4. LOCATION OF WELL (FOOTAGES)
AT SURFACE: 1673' FNL & 1707' FWL
AT TOP PRODUCING INTERVAL REPORTED BELOW:
AT TOTAL DEPTH: SAME

11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SENW 17 16S 8E S

12. COUNTY: EMERY
13. STATE: UTAH

14. DATE SPUDDED: 6/11/2008
15. DATE T.D. REACHED: 7/11/2008
16. DATE COMPLETED: 7/21/2008 ABANDONED ☑ READY TO PRODUCE ☐
17. ELEVATIONS (DF, RKB, RT, GL): 9297' FL

18. TOTAL DEPTH: MD 1,475 TVD
19. PLUG BACK T.D.: MD 0 TVD
20. IF MULTIPLE COMPLETIONS, HOW MANY? *
21. DEPTH BRIDGE PLUG SET: MD TVD

22. TYPE ELECTRIC AND OTHER MECHANICAL LOGS RUN (Submit copy of each)
N/A

23.
WAS WELL CORED? NO ☑ YES ☐ (Submit analysis)
WAS DST RUN? NO ☑ YES ☐ (Submit report)
DIRECTIONAL SURVEY? NO ☑ YES ☐ (Submit copy)

24. CASING AND LINER RECORD (Report all strings set in well)

HOLE SIZE	SIZE/GRADE	WEIGHT (#/ft.)	TOP (MD)	BOTTOM (MD)	STAGE CEMENTER DEPTH	CEMENT TYPE & NO. OF SACKS	SLURRY VOLUME (BBL)	CEMENT TOP **	AMOUNT PULLED
26"	20" STN	LINE PIPE	0	40		GROUT 875	17	SURF	0

25. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
N/A								

26. PRODUCING INTERVALS

FORMATION NAME	TOP (MD)	BOTTOM (MD)	TOP (TVD)	BOTTOM (TVD)
(A) SEE COMMENTS				
(B)				
(C)				
(D)				

27. PERFORATION RECORD

INTERVAL (Top/Bot - MD)	SIZE	NO. HOLES	PERFORATION STATUS
			Open ☐ Squeezed ☐
			Open ☐ Squeezed ☐
			Open ☐ Squeezed ☐
			Open ☐ Squeezed ☐

28. ACID, FRACTURE, TREATMENT, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL	AMOUNT AND TYPE OF MATERIAL

29. ENCLOSED ATTACHMENTS:

☐ ELECTRICAL/MECHANICAL LOGS ☐ GEOLOGIC REPORT ☐ DST REPORT ☐ DIRECTIONAL SURVEY
☐ SUNDRY NOTICE FOR PLUGGING AND CEMENT VERIFICATION ☐ CORE ANALYSIS ☑ OTHER: Est frmtn tops

30. WELL STATUS: P&A'D

(5/2000)

(CONTINUED ON BACK)

31. INITIAL PRODUCTION — **INTERVAL A (As shown in item #26)**

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

INTERVAL B (As shown in item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

INTERVAL C (As shown in item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

INTERVAL D (As shown in item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

32. DISPOSITION OF GAS (Sold, Used for Fuel, Vented, Etc.)

TO BE SOLD

33. SUMMARY OF POROUS ZONES (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

34. FORMATION (Log) MARKERS:

Formation	Top (MD)	Bottom (MD)	Descriptions, Contents, etc.	Name	Top (Measured Depth)
			Estimated formation tops from drill rate.	PRICE RIVER CASTLEGATE BLACKHAWK	45 545 785

35. ADDITIONAL REMARKS (Include plugging procedure)

Did not reach before P&A due to fish lost in hole from 508' back to 329'. Please see attached summary & wellbore diagram.

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records.

NAME (PLEASE PRINT) LORRI D. BINGHAM TITLE REGULATORY COMPLIANCE TECH

SIGNATURE DATE 7/21/2008

This report must be submitted within 30 days of

- completing or plugging a new well
- drilling horizontal laterals from an existing well bore
- recompleting to a different producing formation
- reentering a previously plugged and abandoned well
- significantly deepening an existing well bore below the previous bottom-hole depth
- drilling hydrocarbon exploratory holes, such as core samples and stratigraphic tests

* ITEM 20: Show the number of completions if production is measured separately from two or more formations.

** ITEM 24: Cement Top – Show how reported top(s) of cement were determined (circulated (CIR), calculated (CAL), cement bond log (CBL), temperature survey (TS)).

Send to: Utah Division of Oil, Gas and Mining
1594 West North Temple, Suite 1210
Box 145801
Salt Lake City, Utah 84114-5801

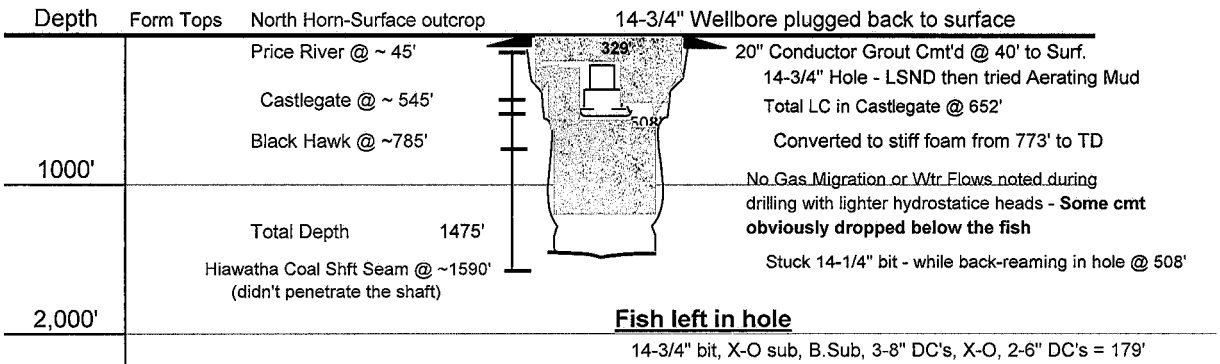
Phone: 801-538-5340

Fax: 801-359-3940

(5/2000)

PLUG AND ABANDONMENT PLAN DIAGRAM

XTO Energy - Grey Wolf Rig# 803
Sec 17, Twshp 16S, Rg 8E, Emery County, UT
COP 16-8-17-22, API # 43-015-30717
Spud: 6/11/08 - Conductor Hole
API No. 43-015-30717
Elevation: 9,297' GL
Date P & A Complete and Rig Released: 07-21-08



P & A Plug and volume Recap

Plug #	Base of Plug (ft)	Top of Plug	Confirmation Method	No.of sx pumped	Slurry Density (ppg)	Yield (cf/sx)	Total cubic ft
1	329	208	Tag w/ 2.5k#	180	15.6	1.2	216
2	208	206	Tag w/ 2.5k#	175	15.6	1.2	210
3	206	204	Tag w/ 2.5k#	90	15.6	1.2	108
4	204	202	Tag w/ 2.5k#	85	15.6	1.2	102
5	202	174	Tag w/ 2.5k#	175	16.1	1.12	196
6	174	168	Tag w/ 2.5k#	175	15.8	1.15	201
7	168	150	Tag w/ 2.5k#	175	14.5	1.53	268
8	150	144	Tag w/ 2.5k#	175	14.5	1.53	268
9	144	138	Tag w/ 2.5k#	175	15.8	1.15	201
10	138	138	Tag w/ 2.5k#	175	15.8	1.15	201
11	138	138	Tag w/ 2.5k#	175	15.8	1.15	201
12	138	38	Tag w/ 2.5k#	175	15.8	1.15	201
13	38	Surface	Tag w/ 2.5k#	65	15.8	1.15	75
	CEMENT TOTALS			**1995**			**2448**

43-015-30717

HALLIBURTON

Cementing Job Log

The Road to Excellence Starts with Safety 16S 8E 17

Sold To #: 353810	**Ship To #:** 2665900	**Quote #:**	**Sales Order #:** 6029577
Customer: XTO ENERGY INC EBUSINESS		**Customer Rep:**	
Well Name: COP	**Well #:** 16-8-17-22		**API/UWI #:** 43-015-30717
Field:	**City (SAP):** UNKNOWN	**County/Parish:** Emery	**State:** Utah
Legal Description:			
Lat: N 0 deg. OR N 0 deg. 0 min. 0 secs.		**Long:** E 0 deg. OR E 0 deg. 0 min. 0 secs.	
Contractor:	**Rig/Platform Name/Num:** 803		
Job Purpose: Plug to Abandon Service		**Ticket Amount:**	
Well Type: Exploratory / Wildcat	**Job Type:** Plug to Abandon Service		
Sales Person: KRUGER, ROBERT	**Srvc Supervisor:** DEARING, KEN	**MBU ID Emp #:** 239372	

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Call Out	07/11/2008 19:00							
Safety Meeting	07/11/2008 20:30							
Depart from Service Center or Other Site	07/11/2008 21:00							
Arrive At Loc	07/12/2008 03:00							
Wait on Customer or Customer Sub-Contractor Equip	07/12/2008 03:00							WAIT ON RIG TO TD
Wait on Customer or Customer Sub-Contractor Equip	07/13/2008 00:00							WAIT ON RIG TO FISH BIT AND DRILL PIPE
Wait on Customer or Customer Sub-Contractor Equipm	07/14/2008 19:00							XTO DECEIDES TO PLUG AND ABANDON WELL
Rig-Up Equipment	07/14/2008 19:35							
Rig-Up Completed	07/14/2008 20:00							
Safety Meeting	07/14/2008 20:15							
Test Lines	07/14/2008 20:30						5000.0	PLUG #1
Pump Water	07/14/2008 20:30						.0	
Pump Cement	07/14/2008 20:35		4	38			110.0	MIX AND PUMP 180 SACKS CLASS G NEAT @15.8 PPG WITH 2% C.C START PLUGS @ 363 FEET
Pump Water	07/14/2008 20:44		4	2			.0	
Shutdown	07/14/2008 21:07							

HALLIBURTON

Cementing Job Log

Activity Description	Date/Time	Cht #	Rate bbl/ min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Other	07/14/2008 21:15							WAIT ON CEMENT
Safety Meeting	07/15/2008 05:30							RIG TAGS CEMENT AT 208FEET
Test Lines	07/15/2008 06:37						5000.0	PLUG
Pump Water	07/15/2008 06:40		3.7	2			.0	
Pump Cement	07/15/2008 06:42		3.7	38			110.0	MIX AND PUMP 175 SACKS CLASS G NEAT @16.4 PPG WITH 3% C.C. 2
Pump Water	07/15/2008 06:53		3.7	2			.0	
Shutdown	07/15/2008 06:54							
Other	07/15/2008 07:00							WAIT ON CEMENT
Safety Meeting	07/15/2008 11:00							RIG TAGS AT 206 FEET
Test Lines	07/15/2008 11:15						5000.0	PLUG #3
Pump Water	07/15/2008 11:16		4	2			.0	
Pump Cement	07/15/2008 11:18		5	15.5			90.0	MIX AND PUMP 90 SACKS CLASS G NEAT 3
Pump Water	07/15/2008 11:25		4	2			.0	
Shutdown	07/15/2008 11:30							
Other	07/15/2008 11:30							WAIT ON CEMENT
Safety Meeting	07/15/2008 16:45						3500.0	RIG TAGS AT 204 FEET
Test Lines	07/15/2008 16:59							PLUG #4
Pump Water	07/15/2008 17:00		3	2			.0	
Pump Cement	07/15/2008 17:08		5	15			112.0	MIX AND PUMP 85 SACKS CLASS G NEAT @16.4 PPG AND 3% C.C. 4
Pump Water	07/15/2008 17:11		5	2			.0	
Shutdown	07/15/2008 17:20							

Sold To # : 353810 Ship To # :2665900 Quote # : Sales Order # : 6029577

SUMMIT Version: 7.20.130 Saturday, July 19, 2008 07:49:00

HALLIBURTON

Cementing Job Log

Activity Description	Date/Time	Cht #	Rate bbl/ min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Other	07/15/2008 17:30							WAIT ON CEMENT
Safety Meeting	07/15/2008 19:30							
Safety Meeting	07/15/2008 20:50							RIG TAGS AT 202 FEET
Test Lines	07/15/2008 21:05						3500.0	PLUG #5
Pump Water	07/15/2008 21:07		3	1			.0	
Pump Cement	07/15/2008 21:08		6.5	35			214.0	MIX AND PUMP 175 SACKS CLASS G NEAT @16.1PPG WITH 3% C.C. AND 2 BOXES TUFF FIBER ON THE FLY 5
Pump Water	07/15/2008 21:14		6.5	2			.0	
Shutdown	07/15/2008 21:14							
Other	07/15/2008 21:15							WAIT ON CEMENT
Other	07/16/2008 03:00							RIG TAGS AT 174.0'.
Pre-Job Safety Meeting	07/16/2008 03:45							SAFETY MEETING WITH RIG CREW AND CO.MAN.
Pump Water	07/16/2008 04:02		2	1			30.0	PUMP 1bbl H2O TO FILL LINES.
Pressure Test	07/16/2008 04:03						3350.0	PRESSURE TEST PUMPS AND LINES, PLUG #6.
Pump Cement	07/16/2008 04:11		4	35.8			115.0	START 15.8# CLASS G NEAT CEMENT, 175sks, 35.8bbls, 1.15 YIELD, WITH 2% CALCIUM CHLORIDE ADDED ON THE SIDE IN MIXING H2O, AND TUFF FIBER ADDED ON THE FLY. 6
Pump Water	07/16/2008 04:26		2	1			40.0	END CEMENT, START 1bbl H2O BEHIND TO FLUSH LINES.
Shutdown	07/16/2008 04:26						.0	
Safety Huddle	07/16/2008 04:27							BREAK IRON OFF OF DRILL PIPE.

Sold To # : 353810 Ship To # :2665900 Quote # : Sales Order # : 6029577

SUMMIT Version: 7.20.130 Saturday, July 19, 2008 07:49:00

HALLIBURTON

Cementing Job Log

Activity Description	Date/Time	Cht #	Rate bbl/ min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Other	07/16/2008 04:30							RIG STARTS PULLING DRILL PIPE OUT OF HOLE, WASH RCM TO PIT, BREAK OFF IRON AND MOVE EQUIPMENT OFF OF LOCATION AS PER CO.MAN.
Other	07/16/2008 04:30							WAIT ON CEMENT AS PER CO.MAN.
Safety Meeting - Pre Rig-Up	07/16/2008 12:25							RIG TAGS AT 168.0'.
Rig-Up Equipment	07/16/2008 12:30							SPOT EQUIPMENT, AND RIG IRON AND SUCTION HOSE BACK UP.
Safety Meeting - Pre Job	07/16/2008 13:15							SAFETY MEETING WITH RIG CREW AND CO.MAN.
Pump Water	07/16/2008 13:31		2	1			30.0	PUMP 1bbl H2O TO FILL LINES.
Pressure Test	07/16/2008 13:32						3280.0	PRESSURE TEST PUMPS AND LINES, PLUG #7.
Pump Cement	07/16/2008 13:37		3	47.7			80.0	START 14.5# 10/1 THIXO CEMENT, 175sks, 47.7bbls, 1.53 YIELD, WITH TUFF FIBER ADDED ON THE FLY.
Pump Water	07/16/2008 13:54		3	1			35.0	END CEMENT, START 1bbl H2O BEHIND TO FLUSH LINES.
Shutdown	07/16/2008 13:55						.0	
Safety Huddle	07/16/2008 13:56							BREAK IRON OFF OF DRILL PIPE.
Other	07/16/2008 14:00							RIG STARTS PULLING DRILL PIPE OUT OF HOLE, WASH RCM TO PIT, BREAK OFF IRON AND MOVE EQUIPMENT OFF OF LOCATION AS PER CO.MAN.

HALLIBURTON

Cementing Job Log

Activity Description	Date/Time	Cht #	Rate bbl/ min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Other	07/16/2008 14:00							WAIT ON CEMENT, ORDER MORE CEMENT AS PER CO.MAN.
Safety Meeting - Pre Rig-Up	07/16/2008 20:00							RIG TAGS AT 149.0'.
Rig-Up Equipment	07/16/2008 20:05							SPOT EQUIPMENT, AND RIG IRON AND SUCTION HOSE BACK UP.
Safety Meeting - Pre Job	07/16/2008 21:15							SAFETY MEETING WITH RIG CREW AND CO.MAN.
Pressure Test	07/16/2008 21:49						3240.0	PRESSURE TEST PUMPS AND LINES, PLUG #8.
Pump Water	07/16/2008 21:50		1.5	1			20.0	PUMP 1bbl H2O AHEAD.
Pump Cement	07/16/2008 21:55		3	47.7			100.0	START 14.5# 10/1 THIXO CEMENT, 175sks, 47.7bbls, 1.53 YIELD, WITH TUFF FIBER ADDED ON THE FLY.
Pump Water	07/16/2008 22:12		3	1			40.0	END CEMENT, START 1bbl H2O BEHIND TO FLUSH LINES.
Shutdown	07/16/2008 22:12						.0	
Safety Huddle	07/16/2008 22:13							BREAK IRON OFF OF DRILL PIPE.
Other	07/16/2008 22:18							RIG STARTS PULLING DRILL PIPE OUT OF HOLE, WASH RCM TO PIT, BREAK OFF IRON AND MOVE EQUIPMENT OFF OF LOCATION AS PER CO.MAN.
Other	07/16/2008 22:30							WAIT ON CEMENT, AND MORE CEMENT COMING FROM YARD, HAD TO WAIT ON BOTTOM OF HILL TO GET PULLED UP BECOUSE OF MUDDY ROAD, AS PER CO.MAN.

Sold To # : 353810 Ship To # :2665900 Quote # : Sales Order # : 6029577

SUMMIT Version: 7.20.130 Saturday, July 19, 2008 07:49:00

HALLIBURTON

Cementing Job Log

Activity Description	Date/Time	Cht #	Rate bbl/ min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Safety Meeting - Pre Rig-Up	07/17/2008 08:30							BULK CEMENT ON LOCATION, RIG TAGS AT 144.0'.
Rig-Up Equipment	07/17/2008 08:35							SPOT EQUIPMENT, AND RIG IRON AND SUCTION HOSE BACK UP.
Safety Meeting - Pre Job	07/17/2008 09:45							SAFETY MEETING WITH RIG CREW AND CO.MAN.
Pressure Test	07/17/2008 10:02						3300.0	PRESSURE TEST PUMPS AND LINES, PLUG #9.
Pump Water	07/17/2008 10:08		1.5	1			20.0	PUMP 1bbl H2O AHEAD.
Pump Cement	07/17/2008 10:13		3	35.8			130.0	START 15.8# CLASS G NEAT CEMENT, 175sks, 35.8bbls, 1.15 YIELD, WITH 2% CALCIUM CHLORIDE ADDED ON THE SIDE IN MIXING H2O, AND TUFF FIBER AND POLY-E-FLAKE ADDED ON THE FLY.
Pump Water	07/17/2008 10:27		3	1			50.0	END CEMENT, START 1bbl H2O BEHIND TO FLUSH LINES.
Shutdown	07/17/2008 10:27						.0	
Safety Huddle	07/17/2008 10:28							BREAK IRON OFF OF DRILL PIPE.
Other	07/17/2008 10:31							RIG STARTS PULLING DRILL PIPE OUT OF HOLE, WASH RCM TO PIT, BREAK OFF IRON AND MOVE EQUIPMENT OFF OF LOCATION AS PER CO.MAN.
Other	07/17/2008 10:35							WAIT ON CEMENT AS PER CO.MAN.
Safety Meeting - Pre Rig-Up	07/17/2008 13:55							RIG TAGS AT 138.0'.
Rig-Up Equipment	07/17/2008 16:00							SPOT EQUIPMENT, AND RIG IRON AND SUCTION HOSE BACK UP.

Sold To # : 353810 Ship To # :2665900 Quote # : Sales Order # : 6029577

SUMMIT Version: 7.20.130 Saturday, July 19, 2008 07:49:00

HALLIBURTON

Cementing Job Log

Activity Description	Date/Time	Cht #	Rate bbl/ min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Safety Meeting - Pre Job	07/17/2008 16:30							SAFETY MEETING WITH RIG CREW AND CO.MAN.
Pressure Test	07/17/2008 16:40						3300.0	PRESSURE TEST PUMPS AND LINES, PLUG #10.
Pump Water	07/17/2008 16:45		1.5	1			20.0	PUMP 1bbl H2O AHEAD.
Pump Cement	07/17/2008 16:49		3	35.8			130.0	START 15.8# CLASS G NEAT CEMENT, 175sks, 35.8bbls, 1.15 YIELD, WITH 2% CALCIUM CHLORIDE ADDED ON THE SIDE IN MIXING H2O, AND TUFF FIBER AND POLY-E-FLAKE ADDED ON THE FLY.
Pump Water	07/17/2008 17:03		3	1			50.0	END CEMENT, START 1bbl H2O BEHIND TO FLUSH LINES.
Shutdown	07/17/2008 17:03						.0	
Safety Huddle	07/17/2008 17:04							BREAK IRON OFF OF DRILL PIPE.
Other	07/17/2008 17:09							RIG STARTS PULLING DRILL PIPE OUT OF HOLE, WASH RCM TO PIT, BREAK OFF IRON AND MOVE EQUIPMENT OFF OF LOCATION AS PER CO.MAN.
Other	07/17/2008 17:15							WAIT ON CEMENT, AND MORE CEMENT COMING FROM YARD, AS PER CO.MAN.
Safety Meeting - Pre Rig-Up	07/18/2008 05:45							CEMENT ON LOCATION, RIG TAGS AT 138.0'.
Rig-Up Equipment	07/18/2008 06:00							SPOT EQUIPMENT, AND RIG IRON AND SUCTION HOSE BACK UP.
Other	07/18/2008 06:30							WAIT ON RIG TO PUMP LCM PILL.

HALLIBURTON

Cementing Job Log

Activity Description	Date/Time	Cht #	Rate bbl/ min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Other	07/17/2008 17:09							RIG STARTS PULLING DRILL PIPE OUT OF HOLE, WASH RCM TO PIT, BREAK OFF IRON AND MOVE EQUIPMENT OFF OF LOCATION AS PER CO.MAN.
Other	07/17/2008 17:15							WAIT ON CEMENT, AND MORE CEMENT COMING FROM YARD, AS PER CO.MAN.
Safety Meeting - Pre Rig-Up	07/18/2008 05:45							CEMENT ON LOCATION, RIG TAGS AT 138.0'.
Rig-Up Equipment	07/18/2008 06:00							SPOT EQUIPMENT, AND RIG IRON AND SUCTION HOSE BACK UP.
Other	07/18/2008 06:30							RIG PUMPS LCM PILL.
Safety Meeting - Pre Job	07/18/2008 07:45							SAFETY MEETING WITH RIG CREW AND CO.MAN.
Pressure Test	07/18/2008 07:51						3100.0	PRESSURE TEST PUMPS AND LINES, PLUG #11.
Pump Water	07/18/2008 07:54		1.5	1			20.0	PUMP 1bbl H2O AHEAD.
Pump Cement	07/18/2008 07:56		3	35.8			135.0	START 15.8# CLASS G NEAT CEMENT, 175sks, 35.8bbls, 1.15 YIELD, WITH 2% CALCIUM CHLORIDE ADDED ON THE SIDE IN MIXING H2O, AND TUFF FIBER ADDED ON THE FLY.
Pump Water	07/18/2008 08:13		3	1			25.0	END CEMENT, START 1bbl H2O BEHIND TO FLUSH LINES.
Shutdown	07/18/2008 08:13						.0	BREAK IRON OFF OF DRILL PIPE.

HALLIBURTON

Cementing Job Log

Activity Description	Date/Time	Cht #	Rate bbl/ min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Other	07/18/2008 08:20							RIG STARTS PULLING DRILL PIPE OUT OF HOLE, WASH RCM TO PIT, WAIT ON CEMENT.
Other	07/18/2008 12:30							BREAK IRON OFF OF DRILL PIPE. 138
Other	07/18/2008 12:45							WAIT ON RIG TO PUMP LCM PILLS.
Safety Meeting - Pre Rig-Up	07/18/2008 22:00							
Rig-Up Equipment	07/18/2008 22:05							SPOT BULK TRUCK.
Safety Meeting - Pre Job	07/18/2008 22:20							SAFETY MEETING WITH RIG CREW AND CO.MAN.
Pressure Test	07/18/2008 22:36						3100.0	PRESSURE TEST PUMPS AND LINES, PLUG #12.
Pump Water	07/18/2008 22:38		1.5	1			25.0	PUMP 1bbl H2O AHEAD.
Pump Cement	07/18/2008 22:43		3	35.8			185.0	START 15.8# CLASS G NEAT CEMENT, 175sks, 35.8bbls, 1.15 YIELD, WITH 2% CALCIUM CHLORIDE ADDED ON THE SIDE IN MIXING H2O, AND TUFF FIBER ADDED ON THE FLY. 12
Pump Water	07/18/2008 22:55		3	1			20.0	END CEMENT, START 1bbl H2O BEHIND TO FLUSH LINES.
Shutdown	07/18/2008 22:55						10.0	
Safety Huddle	07/18/2008 22:56							BLEED PRESSURE OFF, BREAK IRON OFF OF DRILL PIPE.
Other	07/18/2008 23:05							RIG STARTS PULLING DRILL PIPE OUT OF HOLE, WASH RCM TO PIT, WAIT ON CEMENT.
Safety Meeting - Pre Rig-Up	07/19/2008 05:10							

HALLIBURTON

Cementing Job Log

Activity Description	Date/Time	Cht #	Rate bbl/ min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Other	07/19/2008 05:15							RIG TAGS AT 134.0', WELL STILL FULL OF FLUID.
Rig-Up Equipment	07/19/2008 05:15							SPOT BULK TRUCK.
Safety Meeting - Pre Job	07/19/2008 05:35							SAFETY MEETING WITH RIG CREW AND CO.MAN.
Pressure Test	07/19/2008 05:50						3350.0	PRESSURE TEST PUMPS AND LINES, PLUG #13.
Pump Water	07/19/2008 05:52		1.5	1			40.0	PUMP 1bbl H2O AHEAD.
Pump Cement	07/19/2008 05:56		3	35.8			160.0	START 15.8# CLASS G NEAT CEMENT, 175sks, 35.8bbls, 1.15 YIELD, WITH 2% CALCIUM CHLORIDE ADDED ON THE SIDE IN MIXING H2O, AND TUFF FIBER ADDED ON THE FLY, WELL CIRCULATING.
Pump Water	07/19/2008 06:10		3	1			50.0	END CEMENT, START 1bbl H2O BEHIND TO FLUSH LINES.
Shutdown	07/19/2008 06:10						10.0	
Safety Huddle	07/19/2008 06:11							BLEED PRESSURE OFF, BREAK IRON OFF OF DRILL PIPE.
Other	07/19/2008 06:17							RIG STARTS PULLING DRILL PIPE OUT OF HOLE, WASH RCM TO PIT, WAIT ON CEMENT.

HALLIBURTON

STATE Copy (Bart)

43-015-30717
16S 8E 17

XTO ENERGY INC

COP 16-8-17-22
FERRON
Emery County , Utah

Cement Multiple Stages

29-Jul-2008

Job Site Documents

HALLIBURTON

Cementing Job Summary

The Road to Excellence Starts with Safety

Sold To #: 301599	**Ship To #:** 2665900	**Quote #:**	**Sales Order #:** 6057891
Customer: XTO ENERGY INC		**Customer Rep:**	
Well Name: COP	**Well #:** 16-8-17-22		**API/UWI #:** 43-015-30717
Field:	**City (SAP):** ORANGEVILLE	**County/Parish:** Emery	**State:** Utah
Contractor: GREYWOLF	**Rig/Platform Name/Num:** GREYWOLF 807		
Job Purpose: Cement Multiple Stages			
Well Type: Exploratory / Wildcat	**Job Type:** Cement Multiple Stages		
Sales Person: GROFF, THEODORE	**Srvc Supervisor:** MCKEE, RALPH	**MBU ID Emp #:** 259268	

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
BROWN, MATTHEW Scott	58	441544	CALDWELL, KEITH	58	449800	HOWARD, DAYMON E	58	447423
KANIA, JARED A	58	446659	MCKEE, RALPH R	58	259268			

Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way

Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
7-26-08	6	0	7-27-08	24	0	7-28-08	24	7
TOTAL			*Total is the sum of each column separatel*		*7-29-08*			*4*

Job

Formation Name					
Formation Depth (MD)	**Top**		**Bottom**		
Form Type		**BHST**		125 degF	
Job depth MD	2108. ft	**Job Depth TVD**			
Water Depth		**Wk Ht Above Floor**		4. ft	
Perforation Depth (MD)	**From**		**To**		

Job Times

	Date	Time	Time Zone
Called Out	26 - Jul - 2008	06:00	MST
On Location	26 - Jul - 2008	18:00	MST
Job Started	28 - Jul - 2008	18:30	MST
Job Completed	29 - Jul - 2008	00:30	MST
Departed Loc	29 - Jul - 2008	00:00	MST

Well Data

Description	New / Used	Max pressure psig	Size in	ID in	Weight lbm/ft	Thread	Grade	Top MD ft	Bottom MD ft	Top TVD ft	Bottom TVD ft
Intermediate Open Hole				14.75	40.5			.	2100.		
Multiple Stage Cementer								1450.	1450.		
Intermediate Casing	Unknown		10.75	10.05	40.5		J-55	.	2100.		

Tools and Accessories

Type	Size	Qty	Make	Depth	Type	Size	Qty	Make	Depth	Type	Size	Qty	Make
Guide Shoe					**Packer**					**Top Plug**			
Float Shoe					**Bridge Plug**					**Bottom Plug**			
Float Collar					**Retainer**					**SSR plug set**			
Insert Float										**Plug Container**			
Stage Tool										**Centralizers**			

Miscellaneous Materials

Gelling Agt		**Conc**		**Surfactant**		**Conc**		**Acid Type**		**Qty**		**Conc**	**%**
Treatment Fld		**Conc**		**Inhibitor**		**Conc**		**Sand Type**		**Size**		**Qty**	

HALLIBURTON

Cementing Job Summary

Fluid Data

Stage/Plug #: 1

Fluid #	Stage Type	Fluid Name	Qty	Qty uom	Mixing Density lbm/gal	Yield ft3/sk	Mix Fluid Gal/sk	Rate bbl/min	Total Mix Fluid Gal/sk
1	Gel Water		10.0	bbl	8.4	.0	.0	.0	
	42 gal/bbl	FRESH WATER							
	10 lbm/bbl	BENTONITE, BULK (100003682)							
2	Fresh Water		05.0	bbl	8.33	.0	.0	.0	
3	First Stage Lead	CMT - PREMIUM - CLASS G, 94 LB SK (100003685)	355.0	sacks	14.2	1.61	7.91	5.0	7.91
	94 lbm	CMT - PREMIUM - CLASS G REG OR TYPE V, BULK (100003685)							
	1 %	CALCIUM CHLORIDE - HI TEST PELLET (100005053)							
	0.25 lbm	POLY-E-FLAKE (101216940)							
	10 %	CAL-SEAL 60, 100 LB BAG (100005051)							
	7.91 Gal	FRESH WATER							
4	Displacement		206.044	bbl	8.33	.0	.0	.0	

Stage/Plug #: 2

Fluid #	Stage Type	Fluid Name	Qty	Qty uom	Mixing Density uom	Yield uom	Mix Fluid uom	Rate uom	Total Mix Fluid uom
1	Gel Water		10.0	bbl	8.4	.0	.0	.0	
	10 lbm/bbl	BENTONITE, BULK (100003682)							
	42 gal/bbl	FRESH WATER							
2	Fresh Water		05.0	bbl	8.33	.0	.0	.0	
3	CBM Light		260.0	sacks	10.5	4.14	26.0	5.0	26.0
	94 lbm	CMT - STANDARD TYPE III - FINE , BULK (100012229)							
	2 %	CAL-SEAL 60, 100 LB BAG (100005051)							
	2 %	ECONOLITE (100001580)							
	0.3 %	VERSASET, 50 LB SK (100007865)							
	10 lbm	GILSONITE, BULK (100003700)							
	0.25 lbm	POLY-E-FLAKE (101216940)							
	26.003 Gal	FRESH WATER							
4	Second Stage Tail	CMT - PREMIUM - CLASS G, 94 LB SK (100003685)	350.0	sacks	14.2	1.61	7.91	5.0	7.91
	94 lbm	CMT - PREMIUM - CLASS G REG OR TYPE V, BULK (100003685)							
	1 %	CALCIUM CHLORIDE - HI TEST PELLET (100005053)							
	0.25 lbm	POLY-E-FLAKE (101216940)							
	10 %	CAL-SEAL 60, 100 LB BAG (100005051)							
	7.91 Gal	FRESH WATER							
5	Displacement		142.268	bbl	8.33	.0	.0	.0	

Calculated Values		Pressures		Volumes					
Displacement		Shut In: Instant		Lost Returns		Cement Slurry		Pad	
Top Of Cement		5 Min		Cement Returns		Actual Displacement		Treatment	
Frac Gradient		15 Min		Spacers		Load and Breakdown		Total Job	

Rates

Circulating		Mixing		Displacement		Avg. Job	

Cement Left In Pipe	Amount	0 ft	Reason	Shoe Joint

Frac Ring # 1 @		ID		Frac ring # 2 @		ID		Frac Ring # 3 @		ID		Frac Ring # 4 @		ID	

The Information Stated Herein Is Correct	Customer Representative Signature

HALLIBURTON

Cementing Job Log

The Road to Excellence Starts with Safety

Sold To #: 301599	**Ship To #:** 2665900	**Quote #:**	**Sales Order #:** 6057891
Customer: XTO ENERGY INC		**Customer Rep:**	
Well Name: COP	**Well #:** 16-8-17-22		**API/UWI #:** 43-015-30717
Field:	**City (SAP):** ORANGEVILLE	**County/Parish:** Emery	**State:** Utah
Legal Description:			
Lat: N 0 deg. OR N 0 deg. 0 min. 0 secs.		**Long:** E 0 deg. OR E 0 deg. 0 min. 0 secs.	
Contractor: GREYWOLF	**Rig/Platform Name/Num:** GREYWOLF 807		
Job Purpose: Cement Multiple Stages			**Ticket Amount:**
Well Type: Exploratory / Wildcat	**Job Type:** Cement Multiple Stages		
Sales Person: GROFF, THEODORE	**Srvc Supervisor:** MCKEE, RALPH		**MBU ID Emp #:** 259268

Activity Description	Date/Time	Cht #	Rate bbl/ min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Call Out	07/26/2008 05:00							
Other	07/26/2008 05:30							WAIT ON BLUK PLANT TO LOAD CEMENT, LOCATE PLUG CONTAINER (GRAND JUNCTION)
Pre-Convoy Safety Meeting	07/26/2008 08:00							
Arrive At Loc	07/26/2008 18:15							STILL DRILLING --WAIT
Assessment Of Location Safety Meeting	07/26/2008 18:20							WAIT
Pre-Rig Up Safety Meeting	07/28/2008 16:45							
Rig-Up Equipment	07/28/2008 17:00							
Safety Meeting - Pre Job	07/28/2008 18:00							
Pressure Test	07/28/2008 18:30						3700.0	
Pump Spacer	07/28/2008 18:50		4	20			260.0	GEL
Pump Water	07/28/2008 19:00		4	5			250.0	FRESH
Pump Cement	07/28/2008 19:05		3.7	110			220.0	355SKS. @14.2#, 1.61 Y, 7.91 GPS.
Shutdown	07/28/2008 19:12							DROP PLUG FOR 1ST STAGE
Pump Displacement	07/28/2008 20:15		7	202			170.0	H20
Slow Rate	07/28/2008 20:53		3		110		78.0	

HALLIBURTON

Cementing Job Log

Activity Description	Date/Time	Cht #	Rate bbl/ min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Bump Plug	07/28/2008 21:10		3	202			386.0	PRESSURED UP TO1241 PSI
Check Floats	07/28/2008 21:13						1241.0	FLOATS HELD
Other	07/28/2008 21:15							DROP OPENING TOOL (BOMB)
Other	07/28/2008 21:30						296.0	WAIT 15 MIN. --- INFLATE PACKER
Other	07/28/2008 21:38						460.0	OPEN PACKER
Pump Water	07/28/2008 21:41		3	20			260.0	START 2ND STAGE
Pump Lead Cement	07/28/2008 21:54		4	192			230.0	260SKS. @10.5#, 4.14 Y, 26.0 GPS.
Pump Tail Cement	07/28/2008 22:45		5	100.5			180.0	350 SKS,@14.2#, 1.61 Y, 7.91GPS.
Shutdown	07/29/2008 00:07							DROP PLUG
Bump Plug	07/29/2008 00:25		2	121			300.0	PRESURRED UP TO1430 PSI
Pump Displacement	07/29/2008 00:30		3	121			160.0	2ND STAGE
Check Floats	07/29/2008 02:05							FLOATS HELD
Safety Meeting - Pre Rig-Down	07/29/2008 02:30							
Rig-Down Equipment	07/29/2008 02:45							
Depart Location for Service Center or Other Site	07/29/2008 04:00							
Other	07/29/2008 04:05							THANKS FOR USING HALLIBURTON

HALLIBURTON

CPI Job Log Summary

			Ticket # 6057891	Ticket date 07/29/2008		
NWA/Country: United States of America		BDA/State: Utah	Parish/County: Emery			
MBU ID/EMPL #: 259268		HES Employee Name: MCKEE, RALPH	PSL Department: Cement Multiple Stages			
Location: Vernal, UT, USA		Company: XTO ENERGY INC	Customer Rep			
Ticket Amount		Well Type: Exploratory / Wildcat	Customer Rep Phone			
Field/Area		Well Name: COP	Well #: 16-8-17-22			
API/UWI #: 43-015-30717	Job Purpose Code: Cement Multiple Stages	Well Category: Development	SEC	TWN	RNG	

CPI Job Log Summary

Lost Time

Operating Non Conformance	Equipment Non Conformance
Lost Time – Halliburton	Materials Non Conformance
	Design Non Conformance

Standby Time

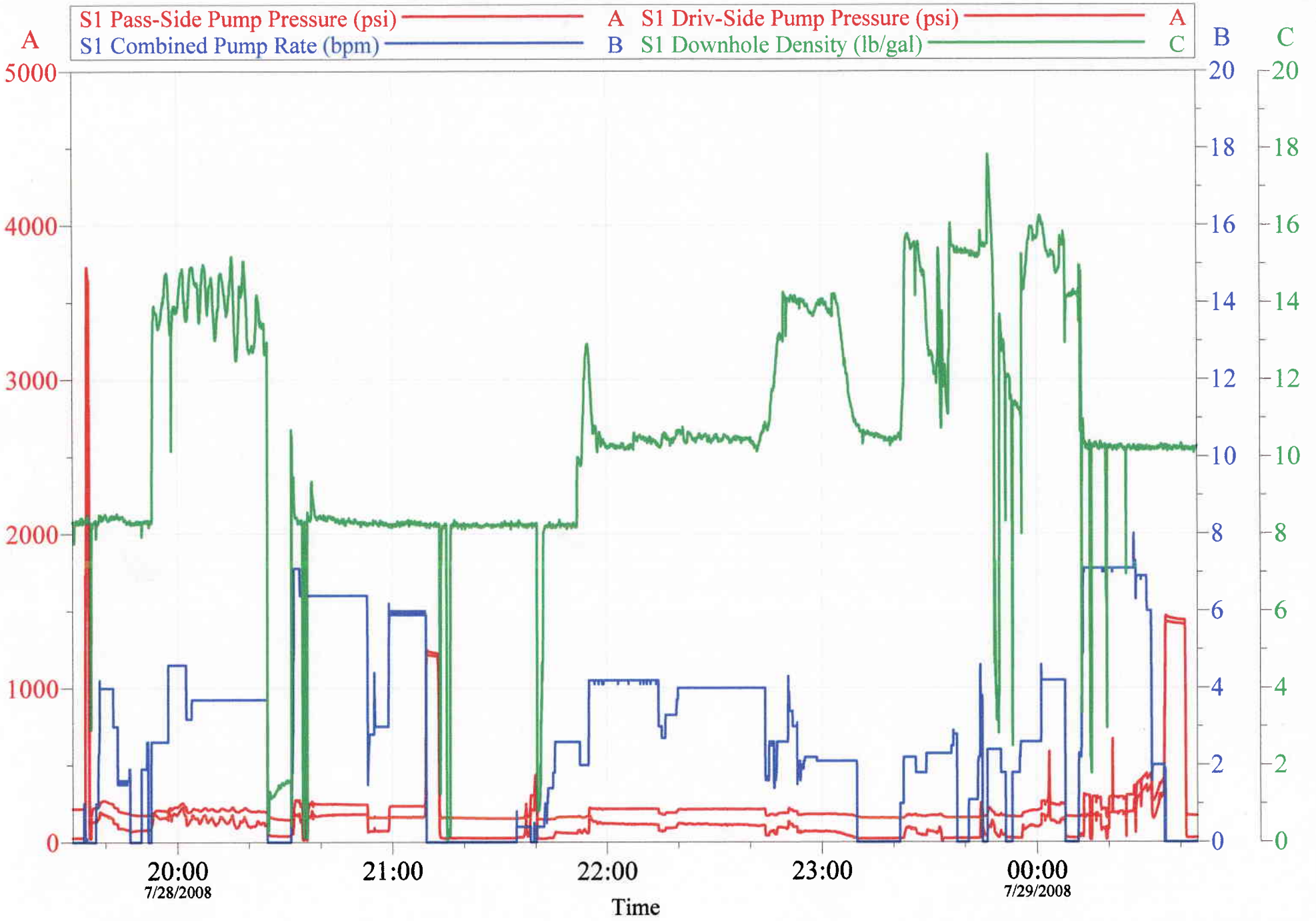
- Standby – Rig
- Standby
- Standby – Customer
- Standby – Hours Policy

Job Time

Call Taken – Date/Time/Zone	Start Rig Up – Date/Time/Zone 28 - Jul - 2008 17:30 (GMT-07:00) Mountain Time
Call Out Crew – Date/Time/Zone 26 - Jul - 2008 06:00 (GMT-07:00) Mountain Time	Complete Rig Up – Date/Time/Zone
Crew Called Actual – Date/Time/Zone	Rqstd Job Start – Date/Time/Zone
Crew Arrive Service Center – Date/Time/Zone	Actual Job Start – Date/Time/Zone 28 - Jul - 2008 18:30 (GMT-07:00) Mountain Time
Crew Leave Service Center – Date/Time/Zone	Job Complete – Date/Time/Zone 29 - Jul - 2008 00:30 (GMT-07:00) Mountain Time
Crew Rqstd On Location – Date/Time/Zone 26 - Jul - 2008 12:00 (GMT-07:00) Mountain Time	Start Rig Down – Date/Time/Zone 29 - Jul - 2008 01:30 (GMT-07:00) Mountain Time
Crew Arrive On Location – Date/Time/Zone 26 - Jul - 2008 18:00 (GMT-07:00) Mountain Time	Crew Leave Location – Date/Time/Zone 29 - Jul - 2008 00:00 (GMT-07:00) Mountain Time
	Crew Return Service Center – Date/Time/Zone

Hours

Total Man Hours 0	Location Hours



Customer:	Job Date: 28-Jul-2008	Sales Order #: 6057891
Well Description:	UWI:	

HALLIBURTON
OptiCem v6.2.3
29-Jul-08 01:52

HALLIBURTON

43-015-30717
16S 8E 17

XTO ENERGY INC EBUSINESS

COP 16-8-17-22X

Top Outside Non Production Casing

Job Site Documents

HALLIBURTON

Cementing Job Log

The Road to Excellence Starts with Safety

Sold To #: 353810	**Ship To #:** 2668749	**Quote #:**	**Sales Order #:** 6069847
Customer: XTO ENERGY INC EBUSINESS		**Customer Rep:** Sprouse, Casey	
Well Name: COP	**Well #:** 16-8-17-22X		**API/UWI #:**
Field:	**City (SAP):** MEEKER	**County/Parish:**	**State:**
Legal Description:			
Lat:		**Long:**	
Contractor: GREYWOLF	**Rig/Platform Name/Num:** 803		
Job Purpose: Top Outside Non Production Casing			**Ticket Amount:**
Well Type: Development Well	**Job Type:** Top Outside Non Production Casing		
Sales Person: SPENCER, WESTON	**Srvc Supervisor:** BEREECE, TERRY		**MBU ID Emp #:** 222819

Activity Description	Date/Time	Cht #	Rate bbl/ min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Safety Huddle	07/30/2008 05:30							Safety meeting about driving to location, left yard
Arrive at Location from Service Center	07/30/2008 11:00							Arrived on location, had safety meeting about location and spotting trucks, spotted trucks
Safety Huddle	07/30/2008 11:30							Safety meeting about rigging up, rigged up
Other	07/30/2008 13:00							Tried to run 1" pipe could not get it all the way down, took 4 1/2 hours to try to run it.
Safety Huddle	07/30/2008 18:30							Safety meeting with rig crew about job
Pump Water	07/30/2008 18:44		1.5	5			130.0	Started fresh
Pump Cement	07/30/2008 18:52		1.5	20			87.0	Started 11.5# slurry, 40 sacks, 2.93 yeild
Pump Displacement	07/30/2008 19:04		1.5	3			180.0	Started displacement
Shutdown	07/30/2008 19:06							Shut down
Pump Water	07/31/2008 02:13		1.5	5			115.0	Started fresh
Pump Cement	07/31/2008 02:17		1.5	20			133.0	Started 11.5# slurry, 40 sacks 2.93 yeild
Shutdown	07/31/2008 02:23							Shut down
Pump Displacement	07/31/2008 02:31		1.5	3			183.0	Started displacement
Shutdown	07/31/2008 02:34							Shut down
Pump Cement	07/31/2008 02:52		1.5	41			177.0	Started 11.5# slurry, 80 sacks, 2.93 yeild

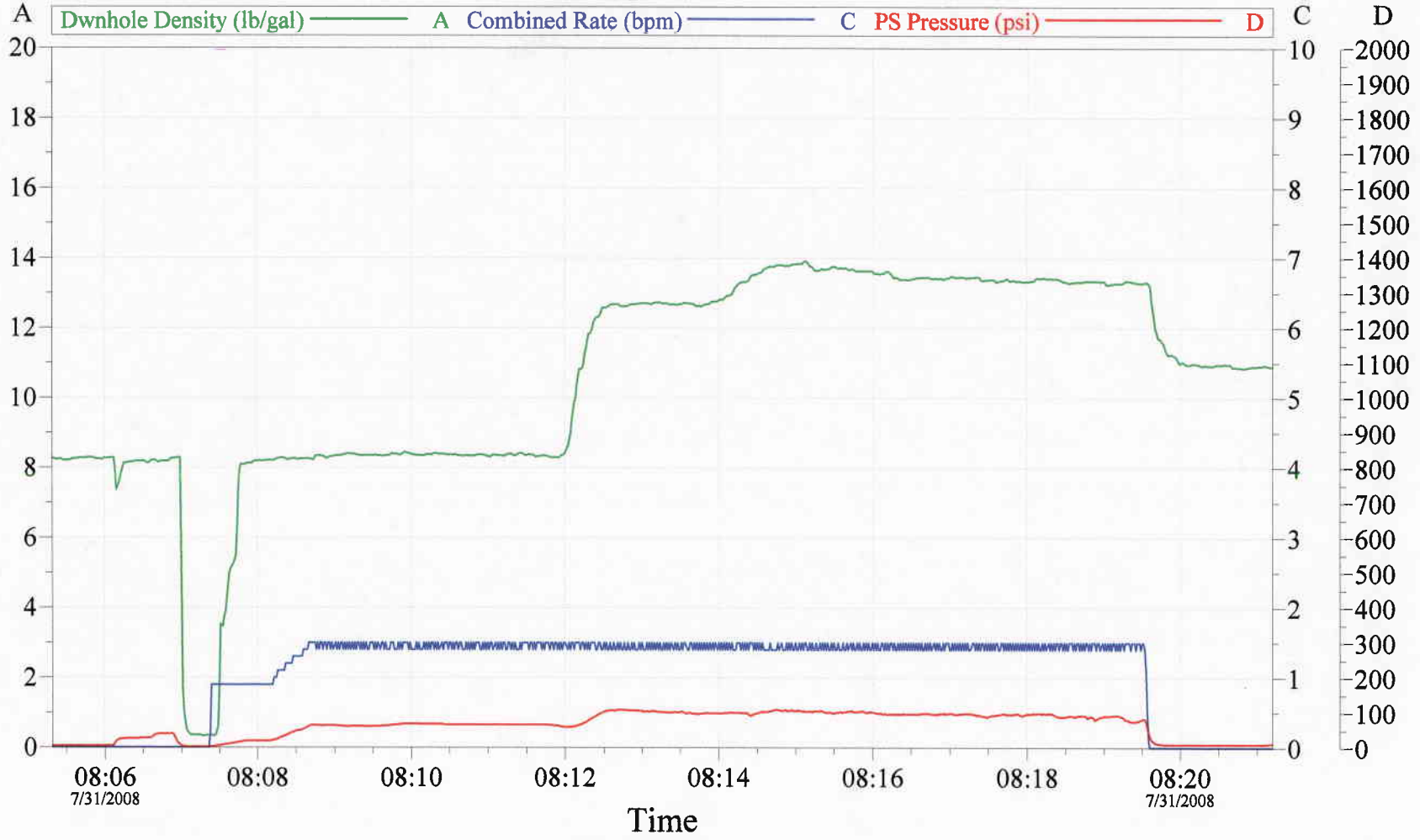
HALLIBURTON

Cementing Job Log

Activity Description	Date/Time	Cht #	Rate bbl/ min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Other	07/31/2008 02:58		1.5				39.0	Circulation with 9bbls away
Other	07/31/2008 03:21		1.5				55.0	Cement to surface with 41bbls away
Pump Water	07/31/2008 08:02		1.5	5			55.0	Started fresh
Pump Cement	07/31/2008 08:07		1.5	8			108.0	Started 11.5# slurry 15 sacks, 2.93 yeild
Other	07/31/2008 08:12		1.5				67.0	Cement to surface with 7bbls away
Shutdown	07/31/2008 08:13							Shut down, watched cement, did not fall
Safety Huddle	07/31/2008 08:25							Safety meeting about rigging down, rigged down
Safety Huddle	07/31/2008 10:00							Safety meeting about driving home, left location

XTO

Top out 3

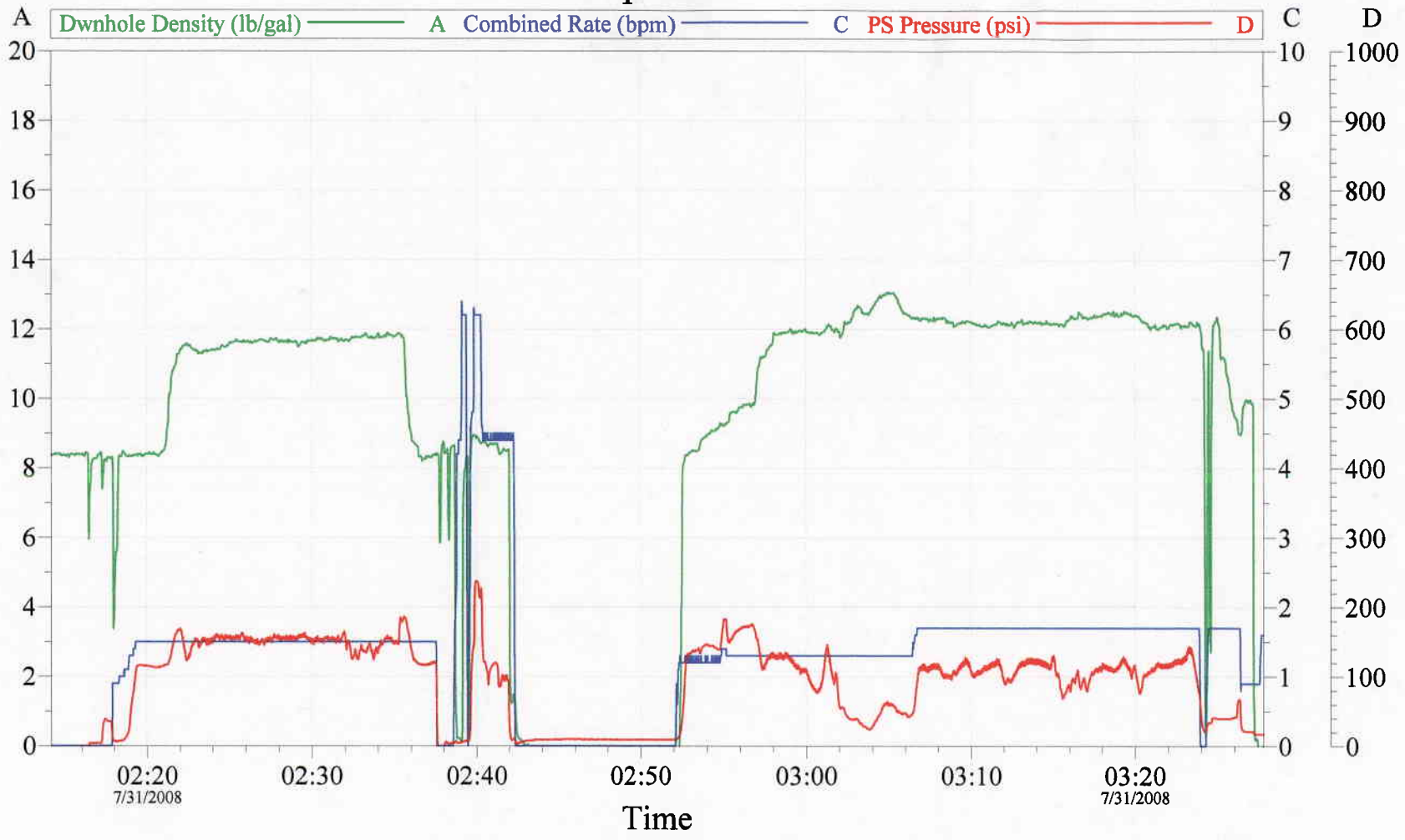


Customer: XTO	Job Date: July 20, 2008	Ticket #: 6067075
Well Desc: 16-8-17-22X	Job Type: Top out	

CemWin v1.7.0
31-Jul-08 08:53

XTO

Top out 2

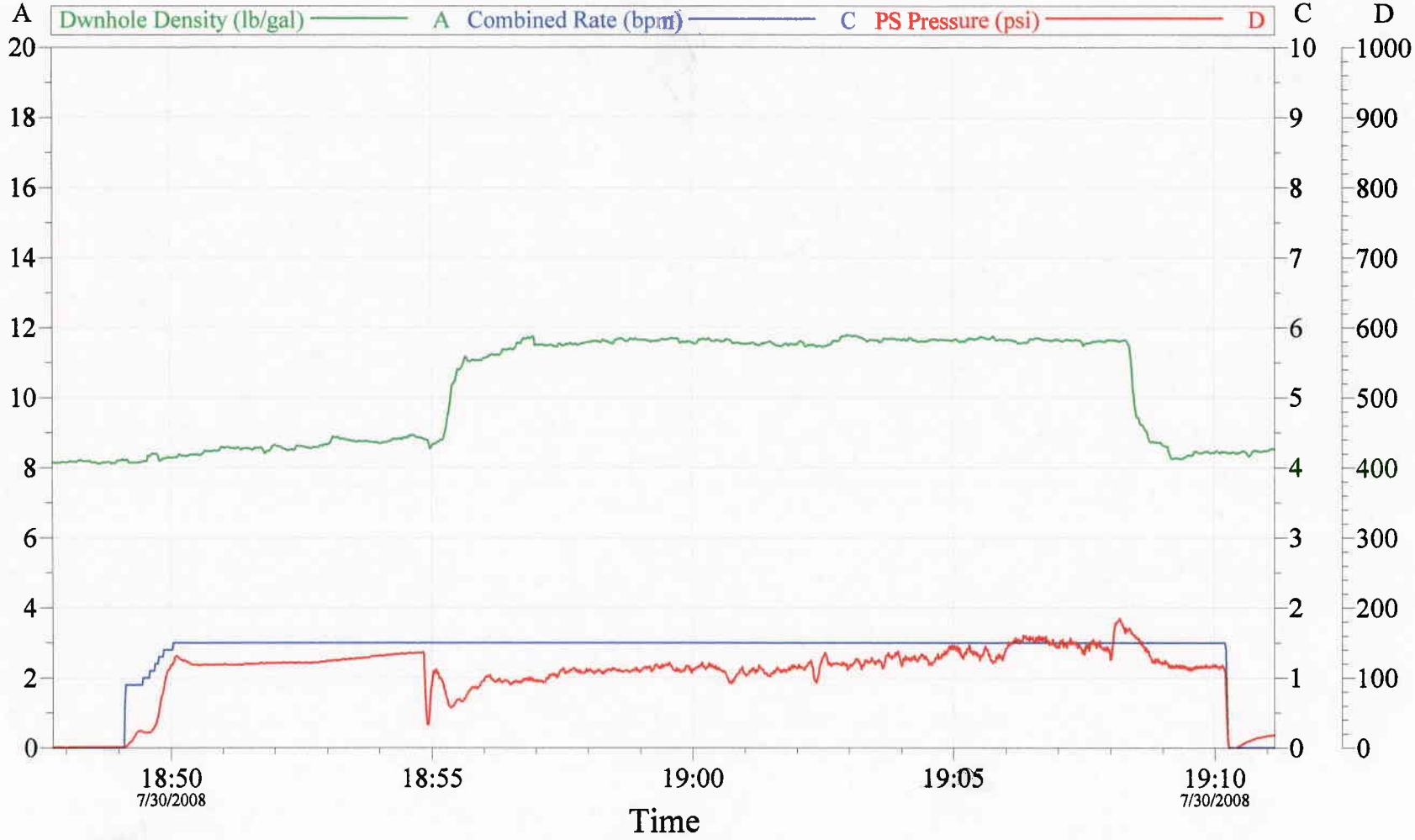


Customer: XTO Well Desc: 16-8-17-22X	Job Date: July 20, 2008 Job Type: Top out	Ticket #: 6067075

CemWin v1.7.0
31-Jul-08 03:36

XTO

Top out 1



Customer: XTO Well Desc: 16-8-17-22X	Job Date: July 20, 2008 Job Type: Top out	Ticket #: 6067075

CemWin v1.7.0
30-Jul-08 19:50

HALLIBURTON

Field Ticket

Field Ticket Number:	6069847	Field Ticket Date:	Wednesday, July 30, 2008

Bill To:

Ship To:
XTO ENERGY INC EBUSINESS
COP, 16-8-17-22X
2668749
MEEKER, CO 81641

Job Name:	TOP OUT
Order Type:	Streamline Order (ZOH)
Well Name:	COP 16-8-17-22X
Company Code:	1100
Customer PO No.:	NA
Shipping Point:	Vernal, UT, USA
Sales Office:	Rocky Mountains BD
Well Type:	Gas
Well Category:	Development

Material	Description	QTY	UOM	Base Amt	Unit Amt	Gross Amount	Discount	Net Amount
14137	CMT TOP OUTSIDE NON-PROD LINER BTM BOM	1	JOB	0.00	0.00	0.00		0.00
2	MILEAGE FOR CEMENTING CREW,ZI	240	MI	0.00	5.76	1,382.40	68%	442.37
	Number of Units	1						
1	ZI-MILEAGE FROM NEAREST HES BASE,/UNIT	240	MI	0.00	9.79	2,349.60	68%	751.87
	Number of Units	1						
16091	ZI - PUMPING CHARGE	1	EA	0.00	4,028.00	4,028.00	68%	1,288.96
	DEPTH	500						
	FEET/METERS (FT/M)		FT					
	FEET/METERS (FT/M)	0						
430481	ROCKIES LT	400	SK	0.00	67.63	27,052.00	68%	8,656.64
76400	ZI MILEAGE,CMT MTLS DEL/RET MIN	120	MI	0.00	3.35	8,470.14	68%	2,710.44
	NUMBER OF TONS	21.07						
3965	HANDLE&DUMP SVC CHRG, CMT&ADDITIVES,ZI	468	CF	0.00	5.49	2,569.32	68%	822.18
	NUMBER OF EACH	1						
139	ADC (AUTO DENSITY CTRL) SYS, /JOB,ZI	1	JOB	0.00	2,275.00	2,275.00	68%	728.00
	NUMBER OF UNITS	1						
114	R/A DENSOMETER W/CHART RECORDER,/JOB,Z	1	JOB	0.00	1,285.00	1,285.00	68%	411.20
	NUMBER OF UNITS	1						
132	PORT. DAS W/CEMWIN;ACQUIRE W/HES, ZI	1	JOB	0.00	1,649.00	1,649.00	68%	527.68
	NUMBER OF DAYS	1						
130104	PORT. DATA ACQUIS. W/OPTICEM RT W/HES	1	EA	0.00	2,549.00	2,549.00	68%	815.68
	DAYS OR PARTIAL DAY(WHOLE NO.)	1						
86954	ZI FUEL SURCHG-CARS/PICKUPS<1 1/2TON	240	MI	0.00	0.15	36.00		36.00

Material	Description	QTY	UOM	Base Amt	Unit Amt	Gross Amount	Discount	Net Amount
	Number of Units	1						
86955	ZI FUEL SURCHG-HEAVY TRKS >1 1/2 TON	240	MI	0.00	0.45	108.00		108.00
	Number of Units	1						
372867	Cmt PSL - DOT Vehicle Charge, CMT	3	EA	0.00	241.00	723.00		723.00
7	ENVIRONMENTAL SURCHARGE,/JOB,ZI	1	JOB	0.00	134.00	134.00		134.00
8	IRON SAFETY INSPECTION SURCHARGE /JOB ZI	1	JOB	0.00	83.00	83.00		83.00
87605	ZI FUEL SURCHG-CMT & CMT ADDITIVES	1	MI	0.00	0.15	3.16		3.16
	NUMBER OF TONS	21.07						
432487	CMT, Bulk Cement Surcharge	468	EA	0.00	1.38	645.84		645.84
53	1" PIPE FOR CEMENTING TOP OUTSIDE,ZI	1	EA	0.00	2,000.00	2,000.00	68%	640.00
	NUMBER OF DAYS	0						
16092	ADDITIONAL HOURS (PUMPING EQUIPMENT), ZI	1	EA	0.00	927.00	11,124.00	68%	3,559.68
	HOURS	12						
Halliburton Rep:	TERRY BEREECE			***Totals***	***USD***	**68,466.46**	**45,378.76**	**23,087.70**
Customer Agent:	Casey Sprouse							
Halliburton Approval								

THIS OUTPUT DOES NOT INCLUDE TAXES. APPLICABLE SALES TAX WILL BE BILLED ON THE FINAL INVOICE.
CUSTOMER HEREBY ACKNOWLEDGES RECEIPT OF THE MATERIALS AND SERVICES DESCRIBED ABOVE AND ON THE ATTACHED DOCUMENTS.

X
Customer Signature

FIELD TICKET TOTAL: USD 23,087.70

Customer Information Only
AFE/Cost Center

HALLIBURTON

Cementing Job Summary

The Road to Excellence Starts with Safety

Sold To #: 353810	**Ship To #:** 2668749	**Quote #:**	**Sales Order #:** 6069847
Customer: XTO ENERGY INC EBUSINESS		**Customer Rep:** Sprouse, Casey	
Well Name: COP	**Well #:** 16-8-17-22X		**API/UWI #:**
Field:	**City (SAP):** MEEKER	**County/Parish:**	**State:**
Contractor: GREYWOLF	**Rig/Platform Name/Num:** 803		
Job Purpose: Top Outside Non Production Casing			
Well Type: Development Well	**Job Type:** Top Outside Non Production Casing		
Sales Person: SPENCER, WESTON	**Srvc Supervisor:** BEREECE, TERRY	**MBU ID Emp #:** 222819	

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
BEREECE, TERRY Lee	23	222819	Bruce, Jeremy	23	444568	Jurgensen, Mike	23	445566
Muir, Bryce	23	451998	PRICE, ALLEN Richard	23	444568	RAYBOULD, CLARENCE E	23	442691

Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way

Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
7/30/08	13	.75	7/31/08	10	1.5			
TOTAL			*Total is the sum of each column separately*					

Job

Formation Name			
Formation Depth (MD)	**Top**		**Bottom**
Form Type		**BHST**	
Job depth MD	500. ft	**Job Depth TVD**	500. ft
Water Depth		**Wk Ht Above Floor**	2. ft
Perforation Depth (MD)	**From**		**To**

Job Times

	Date	Time	Time Zone
Called Out	30 - Jul - 2008	05:30	MST
On Location	30 - Jul - 2008	11:00	MST
Job Started	30 - Jul - 2008	18:30	MST
Job Completed	31 - Jul - 2008	08:15	MST
Departed Loc	31 - Jul - 2008	10:15	MST

Well Data

Description	New / Used	Max pressure psig	Size in	ID in	Weight lbm/ft	Thread	Grade	Top MD ft	Bottom MD ft	Top TVD ft	Bottom TVD ft
OPEN HOLE				14.75				.	2100.		
SURFACE CASING	Unknown		10.75	10.05	40.5		J-55	.	2100.		
TOP OUT	Unknown		1.	.58	1.8		J-55	.	500.		

Sales/Rental/3rd Party (HES)

Description	Qty	Qty uom	Depth	Supplier
1" PIPE FOR CEMENTING TOP OUTSIDE,ZI	1	EA		

Tools and Accessories

Type	Size	Qty	Make	Depth	Type	Size	Qty	Make	Depth	Type	Size	Qty	Make
Guide Shoe					Packer					Top Plug			
Float Shoe					Bridge Plug					Bottom Plug			
Float Collar					Retainer					SSR plug set			
Insert Float										Plug Container			
Stage Tool										Centralizers			

Miscellaneous Materials

Gelling Agt		Conc		Surfactant		Conc		Acid Type		Qty		Conc	%
Treatment Fld		Conc		Inhibitor		Conc		Sand Type		Size		Qty	

HALLIBURTON

Cementing Job Summary

Fluid Data									
Stage/Plug #: 1									
Fluid #	**Stage Type**	**Fluid Name**	**Qty**	**Qty uom**	**Mixing Density lbm/gal**	**Yield ft3/sk**	**Mix Fluid Gal/sk**	**Rate bbl/min**	**Total Mix Fluid Gal/sk**
1	Fresh Water		5.00	bbl	8.33	.0	.0	.0	
2	Top Out	ROCKIES LT - SBM (430481)	175.0	sacks	11.5	2.93	17.85	2.0	17.85
	17.853 Gal	FRESH WATER							
3	FRESH WATER DISPLACEMENT		5.00	bbl	8.33			2.0	

Calculated Values		Pressures		Volumes					
Displacement		Shut In: Instant		Lost Returns		Cement Slurry	91	Pad	
Top Of Cement		5 Min		Cement Returns		Actual Displacement		Treatment	
Frac Gradient		15 Min		Spacers		Load and Breakdown		Total Job	

Rates							
Circulating		Mixing		Displacement		Avg. Job	
Cement Left In Pipe	Amount	0 ft	Reason	Shoe Joint			
Frac Ring # 1 @	ID		Frac ring # 2 @	ID	Frac Ring # 3 @	ID	Frac Ring # 4 @	ID

The Information Stated Herein Is Correct	Customer Representative Signature

type

2 cc

2% cal

6% salt

.3 retarder

HALLIBURTON

Cementing Job Summary

Fluid Data

Stage/Plug #: 1

Fluid #	Stage Type	Fluid Name	Qty	Qty uom	Mixing Density lbm/gal	Yield ft3/sk	Mix Fluid Gal/sk	Rate bbl/min	Total Mix Fluid Gal/sk
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Rates

Circulating		Mixing		Displacement		Avg. Job	

Cement Left In Pipe	Amount	0 ft	Reason	Shoe Joint

Frac Ring # 1 @		ID		Frac ring # 2 @		ID		Frac Ring # 3 @		ID		Frac Ring # 4 @		ID	

The Information Stated Herein Is Correct	Customer Representative Signature

HALLIBURTON

Cementing Job Summary

The Road to Excellence Starts with Safety

Sold To #: 353810	**Ship To #:** 2668749	**Quote #:**	**Sales Order #:** 6069847
Customer: XTO ENERGY INC EBUSINESS		**Customer Rep:** Sprouse, Casey	
Well Name: COP	**Well #:** 16-8-17-22X		**API/UWI #:**
Field:	**City (SAP):** MEEKER	**County/Parish:**	**State:**
Contractor: GREYWOLF	**Rig/Platform Name/Num:** 803		
Job Purpose: Top Outside Non Production Casing			
Well Type: Development Well	**Job Type:** Top Outside Non Production Casing		
Sales Person: SPENCER, WESTON	**Srvc Supervisor:** BEREECE, TERRY	**MBU ID Emp #:** 222819	

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
BEREECE, TERRY Lee		222819	Bruce, Jeremy		444568	Jurgensen, Mike		445566
Muir, Bryce		451998	PRICE, ALLEN Richard		444568	RAYBOULD, CLARENCE E		442691

Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way

Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
TOTAL			*Total is the sum of each column separately*					

Job

Formation Name			
Formation Depth (MD)	**Top**		**Bottom**
Form Type		**BHST**	
Job depth MD	500. ft	**Job Depth TVD**	500. ft
Water Depth		**Wk Ht Above Floor**	2. ft
Perforation Depth (MD)	**From**		**To**

Job Times

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Treatment Fld		Conc		Inhibitor		Conc		Sand Type		Size		Qty	